

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Alton Pryor Examiner #: 74458 Date: 3/3/03
Art Unit: 1616 Phone Number 30 8-4691 Serial Number: 09/652771
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Herbicidal Composition

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

Search Attached

=> fil hcaplus
 FILE 'HCAPLUS' ENTERED AT 13:58:41 ON 04 MAR 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

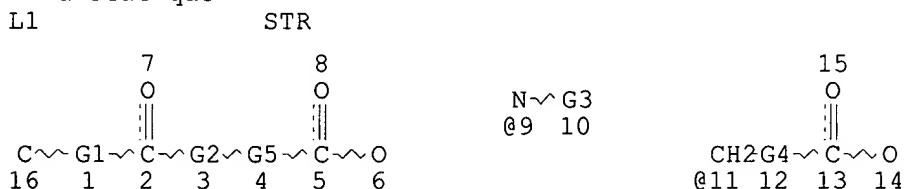
Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Mar 2003 VOL 138 ISS 10
 FILE LAST UPDATED: 3 Mar 2003 (20030303/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
 =>

=> d stat que



REP G1=(6-6) C
 VAR G2=NH/9
 VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/11
 REP G4=(1-3) CH2
 REP G5=(1-4) C
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

L2 8368 SEA FILE=REGISTRY SSS FUL L1
 L7 286109 SEA FILE=REGISTRY ABB=ON PLU=ON ALKYLAMINE? OR ETHERAMINE?
 OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFACT?
 OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
 BUTYLAMINE
 L8 797 SEA FILE=REGISTRY ABB=ON PLU=ON METHYLETHERAMINE OR ETHYLETHE
 RMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR BETAIN?
 L9 179899 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR ALKYLAMINE? OR ETHERAMIN
 E? OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFAC
 T? OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
 BUTYLAMINE
 L10 798259 SEA FILE=HCAPLUS ABB=ON PLU=ON L7 OR METHYLETHERAMINE OR
 ETHYLETHERMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR

BETAIN? OR ?ETHERAMINE
 L12 1637 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 AND (L9 OR L10)
 L13 639 SEA FILE=REGISTRY ABB=ON PLU=ON GLYPHOS?
 L14 5603 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR ?GLYPHOS?
 L15 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L12 AND L14

=>
 =>

=> d ibib abs hitrn l15 1-5

L15 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:886039 HCAPLUS
 DOCUMENT NUMBER: 136:6148
 TITLE: Cobalt-catalyzed carboxymethylation of amides to give amino carboxylic acids and derivs.
 INVENTOR(S): Franczyk, Thaddeus S.
 PATENT ASSIGNEE(S): Monsanto Technology Llc, USA
 SOURCE: PCT Int. Appl., 104 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001092208	A1	20011206	WO 2001-US17982	20010601
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002058834	A1	20020516	US 2001-871869	20010601
PRIORITY APPLN. INFO.:			US 2000-208692P	P 20000601
OTHER SOURCE(S): CASREACT 136:6148				
AB A process for the prepn. of amino carboxylic acids, N-acyl amino carboxylic acids, or derivs. thereof by carboxymethylation of an amide, amide precursor or amide source compd. in the presence of a carboxymethylation catalyst precursor and a promoter is provided. A carboxymethylation reaction mixt. is formed by introducing a promoter, an amide, amide precursor or amide source compd., carbon monoxide, hydrogen, an aldehyde or aldehyde source compd., and a carboxymethylation catalyst precursor into a carboxymethylation reaction zone. In one embodiment, the amide compd. and aldehyde are selected to yield an N-acyl amino carboxylic acid which is readily converted to N-(phosphonomethyl)glycine (I), or a salt or ester thereof. Thus, N,N'-bis(phosphonomethyl)urea was reacted with formalin in the presence of Co(OAc)2.bul.4H2O, Pd/C, and acetic acid to give I. Compd. I is useful as a herbicide in combating the presence of a wide variety of unwanted vegetation, including agricultural weeds.				
IT 97-78-9P, N-Dodecanoylsarcosine 1071-83-6P, N-(Phosphonomethyl)glycine 2421-33-2P, N-Hexadecanoylsarcosine 2671-91-2P, N-Decanoylsarcosine 52558-73-3P, N-Tetradecanoylsarcosine RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation) (Cobalt-catalyzed carboxymethylation of amides to give amino carboxylic acids and derivs.)				

IT **3852-14-0**, Methylene bisacetamide
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (Cobalt-catalyzed carboxymethylation of amides to give amino carboxylic acids and derivs.)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:733024 HCAPLUS
 DOCUMENT NUMBER: 131:318938
 TITLE: N-acylsarcosinates as **glyphosate** adjuvants
 INVENTOR(S): Crudden, Joseph J.
 PATENT ASSIGNEE(S): Hampshire Chemical Corp., USA
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5985798	A	19991116	US 1998-90833	19980604
ZA 9903311	A	19991115	ZA 1999-3311	19990513
CA 2334029	AA	19991209	CA 1999-2334029	19990521
WO 9962338	A1	19991209	WO 1999-US11353	19990521
W: AU, BR, CA, CN, IN, JP, KR, MX, SG				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9940094	A1	19991220	AU 1999-40094	19990521
BR 9911187	A	20010213	BR 1999-11187	19990521
EP 1083793	A1	20010321	EP 1999-923282	19990521
R: DE, ES, FR, GB, IT, NL, IE				
JP 2002516826	T2	20020611	JP 2000-551610	19990521
PRIORITY APPLN. INFO.: US 1998-90833 A 19980604				
WO 1999-US11353 W 19990521				

AB An adjuvant for **glyphosate** having increased activity, lower irritancy and lower toxicity than conventional adjuvants, is given. The adjuvant is C8 to C22 sarcosinate or sarcosinate salt, such as sodium cocoylsarcosinate, sodium lauroylsarcosinate, or combinations thereof, which is combined with **glyphosate** in low concns. and provides effective activity.

IT **1071-83-6P, Glyphosate 38641-94-0P, Roundup**
 RL: AGR (Agricultural use); MOA (Modifier or additive use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (N-acylsarcosinates as **glyphosate** herbicide adjuvants)

IT **137-16-6, Sodium lauroylsarcosinate**
 RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (**glyphosate** herbicide adjuvant)

IT **249282-47-1P 249282-48-2P**
 RL: AGR (Agricultural use); MOA (Modifier or additive use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. as **glyphosate** herbicide adjuvant)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:303233 HCAPLUS
 DOCUMENT NUMBER: 130:307949
 TITLE: Nonirritant herbicidal composition comprising **glyphosate** and an N-acylsarcosinate
 INVENTOR(S): Parker, Brian

PATENT ASSIGNEE(S): Ire.
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT-NO.	KIND	DATE	APPLICATION
WO 9921423	A1	19990506	WO 1998-IE'
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 9921424	A1	19990506	WO 1998-IE87 19981023
W: AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9895573	A1	19990517	AU 1998-95573 19981023
AU 9896418	A1	19990517	AU 1998-96418 19981023
EP 1024699	A1	20000809	EP 1998-950276 19981023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

PRIORITY APPLN. INFO.:

IE 1997-766	A	19971024
WO 1998-IE86	W	19981023
WO 1998-IE87	W	19981023

AB This invention concerns herbicidal compns. comprising **glyphosate** and/or one or more herbicidally active derivs. thereof and an N-acylsarcosinate surfactant. Such compns. exhibit greatly reduced eye irritation to the user while maintaining their herbicidal efficacy.

IT **1071-83-6, Glyphosate 38641-94-0, Roundup**
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (nonirritant herbicidal compn. comprising **glyphosate** and an N-acylsarcosinate)

IT **110-25-8, Hamposyl O**
 RL: MOA (Modifier or additive use); USES (Uses)
 (nonirritant herbicidal compn. comprising **glyphosate** and an N-acylsarcosinate)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:163658 HCAPLUS

DOCUMENT NUMBER: 128:219332

TITLE: Novel water soluble metal working fluids

INVENTOR(S): Kalota, Dennis J.; Chou, Yueting; Hirzel, Timothy K.; Silverman, David C.; Tou, Jacob S.; Cho, Winsor R.

PATENT ASSIGNEE(S): Monsanto Company, USA; Kalota, Dennis J.; Chou, Yueting; Hirzel, Timothy K.; Silverman, David C.; Tou, Jacob S.; Cho, Winsor R.

SOURCE: PCT Int. Appl., 126 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9808919	A2	19980305	WO 1997-US15241	19970829
WO 9808919	A3	19991028		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9741702	A1	19980319	AU 1997-41702	19970829
CN 1228803	A	19990915	CN 1997-197478	19970829
EP 979266	A2	20000216	EP 1997-939668	19970829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI				
BR 9713464	A	20000523	BR 1997-13464	19970829
JP 2001507724	T2	20010612	JP 1998-511960	19970829
PRIORITY APPLN. INFO.:				
US 1996-24976P P 19960830 WO 1997-US15241 W 19970829				
OTHER SOURCE(S): MARPAT 128:219332				
AB This invention relates to novel water sol. metal working fluid compns., their use to work metal, a process for working metal using such compns. and the metal worked article of manuf. More particularly, this invention relates to fluid compns. useful in cutting, grinding, shaping and other metal working operations which require a lubricant. The terms 1st Group A and 2nd Group B are used herein to denote different groups and not to indicate any sequence of use or selection as any possible combination or sequence of use of a component(s) is envisioned without limit of any kind. The disclosed fluid compns. are also anticorrosive and environmentally more acceptable than current oil based fluids. There has now been discovered an essentially odorless, substantially non-oil misting, water-sol. metal working fluid comprising at least one component selected from a 1st Group A herein and optionally one or more components selected from a 2nd Group B herein preferably with the balance of the compn. being water and other (optional) minor ingredients. When a component is employed from Group A and a component is employed from Group B the action of the combination generally enhances performance of the resulting combination with contain moieties from both Group A and Group B.				
IT 97-78-9 110-25-8 1071-83-6, N-Phosphonomethylglycine 23605-74-5 81591-81-3 RL: MOA (Modifier or additive use); USES (Uses) (water sol. metalworking fluid compn.)				

L15 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:997688 HCAPLUS
DOCUMENT NUMBER: 124:91170
TITLE: Ethylene glycol based hard water dilutable
antifreezing agents for engines
INVENTOR(S): Fei, Yiwei; Zhu, Chengzhang; Hu, Yiqin
PATENT ASSIGNEE(S): Air Force Logistics Coll. of P.L.A., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1104675	A	19950705	CN 1993-121035	19931227
PRIORITY APPLN. INFO.:			CN 1993-121035	19931227

AB The agents contain chelating agents and monodentate ligands for forming 3-dimensional complexes with Ca²⁺ and Mg²⁺ ion when dild. with hard water. The chelating agents are selected from amino trimethylene phosphonic acid, ethylenediamino tetra(methylenephosphonic acid), glycine dimethanephosphonic acid, methylamino di(methylenephosphonic acid), 1-hydroxy ethylidene-1,1-diphosphonic acid, 1-aminoethylidene-1,1-diphosphonic acid, 2-phosphoryl acetic acid, 1-phosphoryl ethane-1,2-dicarboxylic acid, 1-phosphoryl propane-1,2,3-tricarboxylic acid, 2-phosphoryl butane-1,2,4-tricarboxylic acid, salicylaldehyde, benzaldoxime, N-octanoyl sarcosine, N-dodecanoylsarcosine, and N-tetracanoylsarcosine; and the monodentate ligands are selected from salicylic acid, tartaric acid, citric acid, oxalic acid, ascorbic acid, gluconic acid and its Na and Zn salts, acetylacetone, dimercapto propanol, thiourea, and amino thiourea.

IT **97-78-9**, N-Dodecanoylsarcosine **1429-50-1D**, Ethylenediamino tetra(methylenephosphonic acid), glycine dimethanephosphonic acid **2421-32-1** **2439-99-8**, Glycine dimethanephosphonic acid **5995-25-5**, Methylamino di(methylenephosphonic acid) **52558-73-3**
 RL: MOA (Modifier or additive use); USES (Uses)
 (chelating agent and monodentate ligands in hard water dilutable ethylene glycol based antifreezing agents for engines)

=> select hit rn 115 1-5
 E1 THROUGH E17 ASSIGNED

=> fil reg
 FILE 'REGISTRY' ENTERED AT 13:59:44 ON 04 MAR 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0
 DICTIONARY FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 =>

=> s el-el7
 1 1071-83-6/BI
 (1071-83-6/RN)
 1 97-78-9/BI

(97-78-9/RN)
 1 110-25-8/BI
 (110-25-8/RN)
 1 38641-94-0/BI
 (38641-94-0/RN)
 1 52558-73-3/BI
 (52558-73-3/RN)
 1 137-16-6/BI
 (137-16-6/RN)
 1 1429-50-1/BI
 (1429-50-1/RN)
 1 23605-74-5/BI
 (23605-74-5/RN)
 1 2421-32-1/BI
 (2421-32-1/RN)
 1 2421-33-2/BI
 (2421-33-2/RN)
 1 2439-99-8/BI
 (2439-99-8/RN)
 1 249282-47-1/BI
 (249282-47-1/RN)
 1 249282-48-2/BI
 (249282-48-2/RN)
 1 2671-91-2/BI
 (2671-91-2/RN)
 1 3852-14-0/BI
 (3852-14-0/RN)
 1 5995-25-5/BI
 (5995-25-5/RN)
 1 81591-81-3/BI
 (81591-81-3/RN)

L16 17 (1071-83-6/BI OR 97-78-9/BI OR 110-25-8/BI OR 38641-94-0/BI OR
 52558-73-3/BI OR 137-16-6/BI OR 1429-50-1/BI OR 23605-74-5/BI
 OR 2421-32-1/BI OR 2421-33-2/BI OR 2439-99-8/BI OR 249282-47-1/B
 I OR 249282-48-2/BI OR 2671-91-2/BI OR 3852-14-0/BI OR 5995-25-5
 /BI OR 81591-81-3/BI)

=> d ide can l16 1-17

L16 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **249282-48-2** REGISTRY

CN Glycine, N-methyl-N-[(9Z)-1-oxo-9-octadecenyl]-, compd. with 2-propanamine
 (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propanamine, compd. with N-methyl-N-[(9Z)-1-oxo-9-octadecenyl]glycine
 (1:1) (9CI)

FS STEREOSEARCH

MF C21 H39 N O3 . C3 H9 N

SR CA

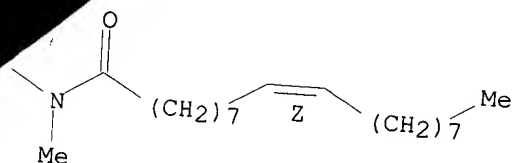
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 110-25-8

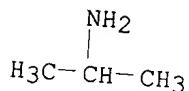
CMF C21 H39 N O3

Double bond geometry as shown.



CM 2

CRN 75-31-0
CMF C3 H9 N



2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

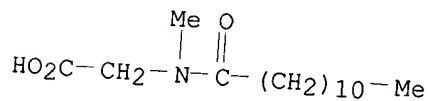
REFERENCE 1: 132:218342

REFERENCE 2: 131:318938

L16 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **249282-47-1** REGISTRY
CN Glycine, N-methyl-N-(1-oxododecyl)-, compd. with 2-propanamine (1:1) (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanamine, compd. with N-methyl-N-(1-oxododecyl)glycine (1:1) (9CI)
MF C15 H29 N O3 . C3 H9 N
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

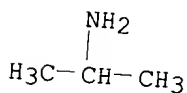
CM 1

CRN 97-78-9
CMF C15 H29 N O3



CM 2

CRN 75-31-0
CMF C3 H9 N



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 131:318938

L16 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 81591-81-3 REGISTRY

CN Glycine, N-(phosphonomethyl)-, ion(1-), trimethylsulfonium (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sulfonium, trimethyl-, salt with N-(phosphonomethyl)glycine (1:1) (9CI)

OTHER NAMES:

CN Avans 330

CN Glyphosate mono(trimethylsulfonium) salt

CN Glyphosate trimethylsulfonium salt

CN Glyphosate-trimesium

CN Medallon

CN N-Phosphonomethylglycine monotrimethylsulfonium salt

CN Ouragan

CN SC 0224

CN Sulfosate

CN Touchdown

CN Trimethylsulfonium glyphosate

DR 133000-38-1, 134123-46-9, 97626-33-0, 99534-06-2, 114416-13-6, 144236-63-5, 152969-57-8, 90891-17-1, 87090-28-6, 88426-50-0, 181289-47-4

MF C3 H9 S . C3 H7 N O5 P

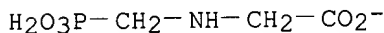
CI COM

LC STN Files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, CEN, CHEMLIST, CIN, MRCK*, PROMT, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)

CM 1

CRN 81591-80-2

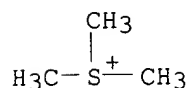
CMF C3 H7 N O5 P



CM 2

CRN 676-84-6

CMF C3 H9 S



223 REFERENCES IN FILE CA (1962 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
224 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:92184

REFERENCE 2: 138:68344

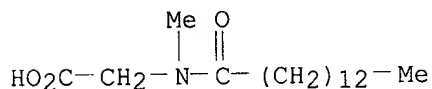
REFERENCE 3: 138:68331

REFERENCE 4: 138:51349

REFERENCE 5: 138:20913

REFERENCE 6: 138:20862
 REFERENCE 7: 137:381212
 REFERENCE 8: 137:364832
 REFERENCE 9: 137:321567
 REFERENCE 10: 137:306062

L16 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN 52558-73-3 REGISTRY
 CN Glycine, N-methyl-N-(1-oxotetradecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Sarcosine, N-myristoyl- (6CI, 7CI)
 OTHER NAMES:
 CN Hamposyl M
 CN Myristoyl sarcosine
 CN N-Myristoylsarcosine
 CN N-Tetradecanoylsarcosine
 FS 3D CONCORD
 DR 116918-93-5
 MF C17 H33 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CBNB, CHEMLIST, MSDS-OHS,
 PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

46 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 47 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:129505
 REFERENCE 2: 137:83417
 REFERENCE 3: 136:90707
 REFERENCE 4: 136:74312
 REFERENCE 5: 136:6148
 REFERENCE 6: 135:50894
 REFERENCE 7: 135:50893
 REFERENCE 8: 134:357374
 REFERENCE 9: 132:278350

REFERENCE 10: 132:227166

L16 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 38641-94-0 REGISTRY

CN Glycine, N-(phosphonomethyl)-, compd. with 2-propanamine (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propanamine, compd. with N-(phosphonomethyl)glycine (1:1) (9CI)

OTHER NAMES:

CN Azural AT

CN Buggy

CN Fosulen

CN Glyphosate isopropylamine

CN Glyphosate isopropylamine salt

CN Glyphosate mono(isopropylamine) salt

CN MON 0139

CN MON 39

CN N-(Phosphonomethyl)glycine isopropylamine salt

CN N-(Phosphonomethyl)glycine isopropylammonium salt

CN N-(Phosphonomethyl)glycine monoisopropylamine salt

CN Nitosorg

CN Rodeo

CN Ron-do

CN Roundup

CN Roundup Custom

CN Roundup Ultra

CN Utal

CN Utal (herbicide)

CN Vision

CN Vision (herbicide)

DR 96638-41-4, 96639-11-1, 106805-61-2, 39226-77-2, 258263-91-1

MF C3 H9 N . C3 H8 N O5 P

CI COM

LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)

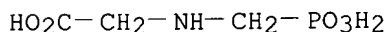
Other Sources: DSL**, EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 1071-83-6

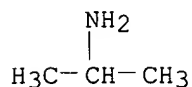
CMF C3 H8 N O5 P



CM 2

CRN 75-31-0

CMF C3 H9 N



774 REFERENCES IN FILE CA (1962 TO DATE)

37 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
775 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:132557
REFERENCE 2: 138:69784
REFERENCE 3: 138:68331
REFERENCE 4: 138:50757
REFERENCE 5: 138:44210
REFERENCE 6: 138:34679
REFERENCE 7: 138:20862
REFERENCE 8: 137:381212
REFERENCE 9: 137:334232
REFERENCE 10: 137:306062

L16 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **23605-74-5** REGISTRY

CN Phosphonic acid, [1,6-hexanediylbis[nitrilobis(methylene)]]tetrakis- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphonic acid, [hexamethylenebis(nitrilodimethylene)]tetra- (7CI, 8CI)

OTHER NAMES:

CN (Hexamethylenedinitrilo)tetrakis[methylenephosphonic acid]

CN 1,6-Hexanediaminetetrakis(methylene phosphonic acid)

CN Dequest 2051

CN HDTMP

CN N,N,N',N'-1,6-Hexamethylenediaminetetrakis(methylenephosphonic acid)

CN N,N,N',N'-Hexamethylenediaminetetra(methylenephosphonic acid)

FS 3D CONCORD

DR 66300-27-4, 67774-90-7

MF C10 H28 N2 O12 P4

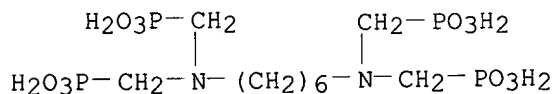
CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, IFICDB,
IFIPAT, IFIUDB, PIRA, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

252 REFERENCES IN FILE CA (1962 TO DATE)

22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

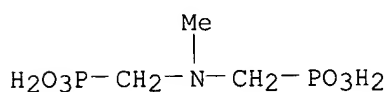
253 REFERENCES IN FILE CAPLUS (1962 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:124060
REFERENCE 2: 138:76609

REFERENCE 3: 138:43754
 REFERENCE 4: 138:16375
 REFERENCE 5: 137:361757
 REFERENCE 6: 137:357769
 REFERENCE 7: 137:339156
 REFERENCE 8: 137:299364
 REFERENCE 9: 137:141996
 REFERENCE 10: 137:66600

L16 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN 5995-25-5 REGISTRY
 CN Phosphonic acid, [(methylimino)bis(methylene)]bis- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Phosphonic acid, [(methylimino)dimethylene]di- (7CI, 8CI)
 OTHER NAMES:
 CN Methylaminodi(methylenephosphonic acid)
 CN Methylaminodi(methylphosphonic acid)
 CN Methyliminobis[methylenephosphonic acid]
 CN N,N-Bis(phosphonomethyl)methylamine
 CN N-Methyliminobis(methylenephosphonic acid)
 CN N-Methyliminodimethylenebis(phosphonic acid)
 CN [(Methylimino)dimethylene]bis(phosphonic acid)
 FS 3D CONCORD
 MF C3 H11 N O6 P2
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMLIST,
 IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

65 REFERENCES IN FILE CA (1962 TO DATE)
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 66 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:74913
 REFERENCE 2: 138:32355
 REFERENCE 3: 138:28902
 REFERENCE 4: 137:296153
 REFERENCE 5: 137:191272

REFERENCE 6: 137:119035
 REFERENCE 7: 137:53036
 REFERENCE 8: 136:362928
 REFERENCE 9: 136:159029
 REFERENCE 10: 134:125543

L16 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **3852-14-0** REGISTRY
 CN Acetamide, N,N'-methylenebis- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Methylene diacetamide
 CN Methylenebisacetamide
 CN N,N'-Diacetylmethylenediamine
 CN N,N'-Methylenebisacetamide
 CN N,N'-Methylenediacetamide
 FS 3D CONCORD
 MF C5 H10 N2 O2
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, IFICDB,
 IFIPAT, IFIUDB, MEDLINE, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

AcNH-CH₂-NHAc

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

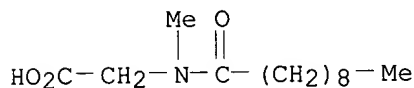
52 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 52 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:6148
 REFERENCE 2: 133:283736
 REFERENCE 3: 132:222515
 REFERENCE 4: 131:172284
 REFERENCE 5: 129:189670
 REFERENCE 6: 127:191028
 REFERENCE 7: 126:238058
 REFERENCE 8: 126:18441
 REFERENCE 9: 123:286673
 REFERENCE 10: 122:161335

L16 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **2671-91-2** REGISTRY
 CN Glycine, N-methyl-N-(1-oxodecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Sarcosine, N-decanoyl- (7CI)

OTHER NAMES:

CN N-Decanoylsarcosine
 FS 3D CONCORD
 MF C13 H25 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, TOXCENTER,
 USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:6148
 REFERENCE 2: 108:33666
 REFERENCE 3: 107:146519
 REFERENCE 4: 106:20931
 REFERENCE 5: 105:117013
 REFERENCE 6: 105:99916
 REFERENCE 7: 103:128822
 REFERENCE 8: 103:38978
 REFERENCE 9: 102:154723
 REFERENCE 10: 100:191295

L16 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2003 ACS

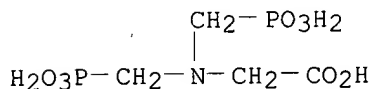
RN **2439-99-8** REGISTRY

CN Glycine, N,N-bis(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN C 9552
 CN CP 41845
 CN Glycine-N,N-bis(methylenephosphonic acid)
 CN Glycinedimethanephosphonic acid
 CN Glyphosine
 CN MON 845
 CN MON-045
 CN N,N-Bis(phosphonomethyl)aminoacetic acid
 CN N,N-Bis(phosphonomethyl)glycine
 CN N,N-Di(phosphonomethyl)glycine
 CN Nitrilomonoacetic acid dimethylenephosphonic acid
 CN Nitrilomonomethylcarbonyldimethylphosphonic acid
 CN Polaris
 CN Polaris (ripening agent)
 FS 3D CONCORD
 DR 174491-47-5, 174491-49-7, 174491-50-0

MF C4 H11 N O8 P2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA,
 CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, EMBASE,
 IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA,
 RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

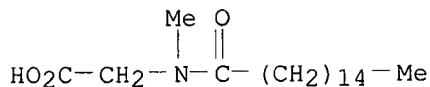


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

240 REFERENCES IN FILE CA (1962 TO DATE)
 41 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 241 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:96272
 REFERENCE 2: 138:56081
 REFERENCE 3: 138:45251
 REFERENCE 4: 137:379139
 REFERENCE 5: 137:146004
 REFERENCE 6: 136:258734
 REFERENCE 7: 136:159029
 REFERENCE 8: 136:108856
 REFERENCE 9: 136:77369
 REFERENCE 10: 135:200299

L16 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN 2421-33-2 REGISTRY
 CN Glycine, N-methyl-N-(1-oxohexadecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Sarcosine, N-palmitoyl- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN N-Hexadecanoylsarcosine
 CN N-Palmitoylsarcosine
 FS 3D CONCORD
 MF C19 H37 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, IFICDB, IFIPAT, IFIUDB,
 TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

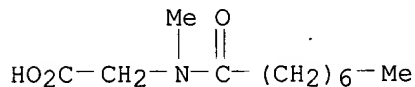


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

31 REFERENCES IN FILE CA (1962 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 31 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:114242
 REFERENCE 2: 136:349915
 REFERENCE 3: 136:6148
 REFERENCE 4: 134:224223
 REFERENCE 5: 134:223994
 REFERENCE 6: 133:63628
 REFERENCE 7: 130:342778
 REFERENCE 8: 130:316458
 REFERENCE 9: 130:228059
 REFERENCE 10: 130:172771

L16 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **2421-32-1** REGISTRY
 CN Glycine, N-methyl-N-(1-oxooctyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Sarcosine, N-octanoyl- (7CI, 8CI)
 FS 3D CONCORD
 MF C11 H21 N O3
 CI COM
 LC STN Files: CA, CAOLD, CAPLUS, CHEMCATS, USPATFULL



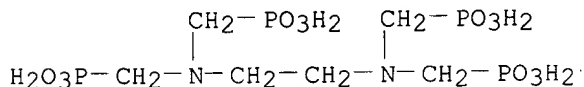
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1962 TO DATE)
 7 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 124:91170
 REFERENCE 2: 115:257522
 REFERENCE 3: 105:117013

REFERENCE 4: 102:154723
 REFERENCE 5: 102:150373
 REFERENCE 6: 101:41873
 REFERENCE 7: 62:59752

L16 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN 1429-50-1 REGISTRY
 CN Phosphonic acid, [1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis- (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Phosphonic acid, [ethylenebis(nitrilodimethylene)]tetra- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN Briquest 422
 CN Cublen 3115
 CN Dequest 2040
 CN Dequest 2041
 CN Editempa
 CN EDPA
 CN EDPA (chelating agent)
 CN EDTF
 CN EDTMP
 CN EDTMPA
 CN EDTPA
 CN EDTPH
 CN Ethylenedi(nitrilodimethylene)tetraphosphonic acid
 CN Ethylenediamine-N,N,N',N'-tetra(methylphosphonic acid)
 CN Ethylenediamine-N,N,N',N'-tetrakis(methylenephosphonic acid)
 CN Ethylenediaminetetra(methylenephosphonic acid)
 CN Ethylenediaminetetrakis(methylenephosphonic acid)
 CN Ethylenediaminetetrakis(methylphosphonic acid)
 CN Ethylenediaminotetra(methylenephosphonic acid)
 CN N,N,N',N'-Tetrakis(phosphonomethyl)ethylenediamine
 CN Wayplex 45K
 CN [Ethylenebis(nitrilodimethylene)]tetraphosphonic acid
 FS 3D CONCORD
 DR 54579-31-6, 66300-26-3, 85497-53-6, 244775-21-1
 MF C6 H20 N2 O12 P4
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
 CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB,
 MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, SPECINFO, TOXCENTER, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1058 REFERENCES IN FILE CA (1962 TO DATE)
 188 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1064 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:124060
 REFERENCE 2: 138:102361
 REFERENCE 3: 138:91869
 REFERENCE 4: 138:91868
 REFERENCE 5: 138:91851
 REFERENCE 6: 138:76609
 REFERENCE 7: 138:75608
 REFERENCE 8: 138:74913
 REFERENCE 9: 138:74648
 REFERENCE 10: 138:74646

L16 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 1071-83-6 REGISTRY

CN Glycine, N-(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN (Carboxymethylamino)methylphosphonic acid

CN Accord

CN Carboxymethylaminomethanephosphinic acid

CN Folusen

CN Forsat

CN Glialka

CN Glialka 36

CN Glyphodin A

CN Glyphomax

CN Glyphosate

CN Glyphosate CT

CN Herbatop

CN Hockey

CN Lancer

CN MON 2139

CN MON 6000

CN N-Phosphomethylglycine

CN N-Phosphonomethylglycine

CN Phorsat

CN Phosphonomethylglycine

CN Phosphonomethyliminoacetic acid

CN Rebel Garden

FS 3D CONCORD

DR 37337-60-3, 75241-08-6, 42618-09-7

MF C3 H8 N O5 P

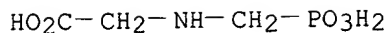
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

4327 REFERENCES IN FILE CA (1962 TO DATE)
 253 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4341 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:142034
 REFERENCE 2: 138:133031
 REFERENCE 3: 138:132619
 REFERENCE 4: 138:132580
 REFERENCE 5: 138:122100
 REFERENCE 6: 138:121774
 REFERENCE 7: 138:121773
 REFERENCE 8: 138:121681
 REFERENCE 9: 138:120005
 REFERENCE 10: 138:118793

L16 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **137-16-6** REGISTRY

CN Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt (9CI) (CA INDEX NAME)

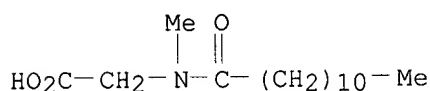
OTHER CA INDEX NAMES:

CN Sarcosine, N-lauroyl-, sodium salt (8CI)

OTHER NAMES:

CN Compound 105
 CN Enagicol L 30N
 CN Firet L
 CN Gardol
 CN Gardol (antiseptic)
 CN GM 9011
 CN Hamposyl L 30
 CN Hamposyl L 95
 CN Lauroyl sarcosine sodium
 CN Lauroylsarcosine sodium salt
 CN Maprosyl 30
 CN Medialan LL 99
 CN N-Dodecanoyl-N-methylglycine sodium salt
 CN N-Dodecanoylsarcosine sodium salt
 CN N-Lauroyl-N-methylglycine sodium salt
 CN N-Lauroylsarcosine sodium
 CN N-Lauroylsarcosine sodium salt
 CN Nikkol Sarcosinate LN
 CN Nikkol Sarcosinate LN 3
 CN Oramix L 30
 CN Sarcosinate LN
 CN Sarcosinate LN 3
 CN Sarcosinate LN 30
 CN Sarkosyl
 CN Sarkosyl NL

CN Sarkosyl NL 100
 CN Sarkosyl NL 30
 CN Sarkosyl NL 35
 CN Sarkosyl NL 97
 CN Secosyl
 CN Sodium Lauroyl Sarcosinate
 CN Sodium lauroylsarcosine
 CN Sodium N-lauroylsarcosinate
 CN Sodium N-lauroylsarcosine
 CN Soypon SLE
 CN Soypon SLP
 DR 75195-12-9
 MF C15 H29 N O3 . Na
 CI COM
 LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,
 DIOGENES, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS,
 PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (97-78-9)



● Na

833 REFERENCES IN FILE CA (1962 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 835 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:126765
 REFERENCE 2: 138:126747
 REFERENCE 3: 138:125655
 REFERENCE 4: 138:123828
 REFERENCE 5: 138:112014
 REFERENCE 6: 138:95216
 REFERENCE 7: 138:61072
 REFERENCE 8: 138:14875
 REFERENCE 9: 138:14859
 REFERENCE 10: 138:8358

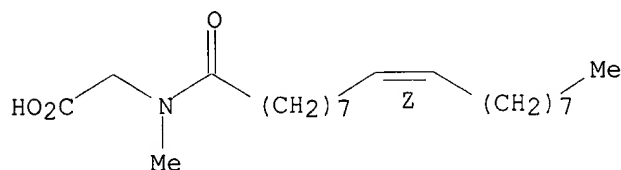
L16 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN 110-25-8 REGISTRY
 CN Glycine, N-methyl-N-[(9Z)-1-oxo-9-octadecenyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-

CN Sarcosine, N-oleoyl- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 221P
 CN Cordesin O
 CN Hamposyl O
 CN Maprosyl O
 CN Medialanic acid
 CN N-Oleoylsarcosine
 CN N-Oleylsarcosine
 CN Nikkol Sarcosinate OH
 CN Nikkol Sarcosinate VH
 CN Oleic sarcoside
 CN Oleic sarcosine
 CN Oleoyl N-methylaminoacetic acid
 CN Oleoylsarcosine
 CN Oleyl methylaminoethanoic acid
 CN Oleyl N-methylglycine
 CN Sarcosinate OH
 CN Sarcosinate VH
 CN Sarkosyl O
 FS STEREOSEARCH
 DR 57368-03-3
 MF C21 H39 N O3
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

297 REFERENCES IN FILE CA (1962 TO DATE)
 19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 297 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 24 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:327221
 REFERENCE 2: 137:282836
 REFERENCE 3: 137:129505
 REFERENCE 4: 137:38714
 REFERENCE 5: 136:372591
 REFERENCE 6: 136:343201
 REFERENCE 7: 136:8137

REFERENCE 8: 135:261663

REFERENCE 9: 135:244798

REFERENCE 10: 135:244706

L16 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 97-78-9 REGISTRY

CN Glycine, N-methyl-N-(1-oxododecyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sarcosine, N-lauroyl- (6CI, 8CI)

OTHER NAMES:

CN Crodasinic L

CN Hamposyl L

CN Lauroylsarcosine

CN Maprosyl L

CN N-Dodecanoyl-N-methylglycine

CN N-Dodecanoylsarcosine

CN N-Lauroyl-N-methylaminoacetic acid

CN N-Lauroyl-N-methylglycine

CN N-Lauroylsarcosine

CN N-Laurylsarcosine

CN Nikkol Sarcosinate LH

CN Sarcosinate LH

CN Sarcosyl L

CN Sarkosyl L

FS 3D CONCORD

DR 58392-41-9, 15535-18-9

MF C15 H29 N O3

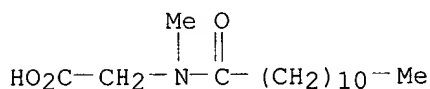
CI COM

LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PROMT, SPECINFO, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

392 REFERENCES IN FILE CA (1962 TO DATE)

17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

393 REFERENCES IN FILE CAPLUS (1962 TO DATE)

16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:112125

REFERENCE 2: 138:84459

REFERENCE 3: 137:389155

REFERENCE 4: 137:380928

REFERENCE 5: 137:366011

REFERENCE 6: 137:299969

REFERENCE 7: 137:282836

REFERENCE 8: 137:258483

REFERENCE 9: 137:258476

REFERENCE 10: 137:190508

=> fil hcaplus
 FILE 'HCAPLUS' ENTERED AT 14:01:21 ON 04 MAR 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

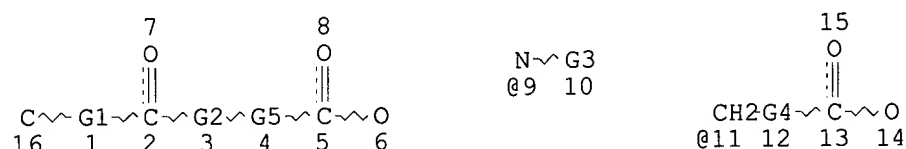
FILE COVERS 1907 - 4 Mar 2003 VOL 138 ISS 10
 FILE LAST UPDATED: 3 Mar 2003 (20030303/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
 =>

=> d stat que

L1 STR



REP G1=(6-6) C
 VAR G2=NH/9
 VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/11
 REP G4=(1-3) CH2
 REP G5=(1-4) C
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

L2 8368 SEA FILE=REGISTRY SSS FUL L1
 L7 286109 SEA FILE=REGISTRY ABB=ON PLU=ON ALKYLAMINE? OR ETHERAMINE?
 OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFACT?
 OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
 BUTYLAMINE
 L8 797 SEA FILE=REGISTRY ABB=ON PLU=ON METHYLETHERAMINE OR ETHYLETHE
 RMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR BETAIN?
 L9 179899 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR ALKYLAMINE? OR ETHERAMIN
 E? OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFAC
 T? OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
 BUTYLAMINE
 L10 798259 SEA FILE=HCAPLUS ABB=ON PLU=ON L7 OR METHYLETHERAMINE OR

ETHYLETHERMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR
BETAIN? OR ?ETHERAMINE

L12 1637 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 AND (L9 OR L10)
L13 639 SEA FILE=REGISTRY ABB=ON PLU=ON GLYPHOS?
L14 5603 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR ?GLYPHOS?
L15 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L12 AND L14
L17 3497 SEA FILE=REGISTRY ABB=ON PLU=ON HERBIC?
L18 105727 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 OR ?HERBIC?
L19 13 SEA FILE=HCAPLUS ABB=ON PLU=ON (L18 AND L12) NOT L15

=> d ibib abs hitrn l19 1-13

L19 ANSWER 1 OF 13 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:314897 HCAPLUS
DOCUMENT NUMBER: 136:342440
TITLE: Mono and polyamides of perfluoroalkyl-substituted
unsaturated acids
INVENTOR(S): Mueller, Karl Friedrich; Bochnik, Michael; Haniff,
Marlon; Jennings, John; Kantamneni, Shobha
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002032855	A2	20020425	WO 2001-EP11647	20011009
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
AU 2001095603	A5	20020429	AU 2001-95603	20011009
US 2002068802	A1	20020606	US 2001-978156	20011015
US 6515175	B2	20030204		
PRIORITY APPLN. INFO.:			US 2000-240633P	P 20001016
			US 2001-306784P	P 20010720
			US 2000-204633P	P 20001016
			WO 2001-EP11647	W 20011009
AB	<p>Novel perfluoroalkyl-substituted mono, di and poly-amide compds. which are reaction products of a mono, di or polyamide of 60 to 2000 mol. wt. with a perfluoroalkyl substituted unsatd. acid or its corresponding lower alkyl ester and optionally a non-fluorinated amino-reactive compd. such as an acid, ester, anhydride, epichlorohydrin, isocyanate or urea, are useful as internally or externally applied paper sizes to impart oil and grease resistance to paper, and as oil proofing coatings on textiles, wood, masonry and the like, or as high-performance surface active agents.</p>			
IT	<p>3926-62-3DP, Sodium chloroacetate, reaction products with perfluoro compds. and diamine compds. RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (prepn. of mono and polyamides of perfluoroalkyl-substituted unsatd. acids)</p>			
IT	<p>415973-29-4P RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT</p>			

(Reactant or reagent)

(prepn. of mono and polyamides of perfluoroalkyl-substituted unsatd. acids)

IT 107-15-3, Ethylenediamine, reactions 109-76-2,
1,3-Diaminopropane 111-40-0, Diethylenetriamine 112-24-3
, Triethylenetetramine 10563-26-5, N,N'-Bis(3-aminopropyl)ethylenediamine

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of mono and polyamides of perfluoroalkyl-substituted unsatd. acids)

L19 ANSWER 2 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:578597 HCAPLUS

DOCUMENT NUMBER: 135:124156

TITLE: Bactericide combinations in detergents

INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip

PATENT ASSIGNEE(S): Robert McBride Ltd., UK

SOURCE: Brit. UK Pat. Appl., 53 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001
PRIORITY APPLN. INFO.:			GB 1999-23253	19991001

AB The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing redn. activity after contact 2.

IT 55-86-7 57-09-0 75-31-0, 2-Propanamine, uses
100-37-8 101-21-3 104-78-9 107-43-7
107-95-9D, .beta.-Alanine, N-coco alkyl derivs. 108-16-7
109-89-7, uses 111-40-0D, 1,2-Ethanediamine,
N-(2-aminoethyl)-, reaction products with 1-chlorooctane 111-40-0D
, Diethylenetriamine, reaction products with chloroacetic acid, N-mono-
and di-C8-18-alkyl derivs. 111-41-1D, 2-(2-Aminoethyl)aminoethanol, reaction with coco fatty acids, quaternized
111-42-2, uses 111-92-2 112-18-5
112-69-6 112-75-4 121-44-8, uses
122-07-6 122-34-9 124-09-4, 1,6-Hexanediamine,
uses 137-16-6 330-54-1 683-10-3
886-50-0 996-35-0 1120-24-7 1643-20-5
1696-17-9 2372-82-9 2571-88-2
3332-27-2 3710-84-7 3926-62-3D, Acetic acid,
chloro-, sodium salt, reaction products with 4,5-dihydro-1H-imidazole-1-
ethanol 2-norcoco alkyl derivs. and sodium hydroxide 3926-62-3D,
Sodium chloroacetate, reaction products with B-C12-18
alkylmethylenediamines 4182-44-9 4317-79-7
5332-73-0 5538-95-4 5725-96-2
5915-41-3 7173-62-8 7287-19-6
7378-99-6 10378-23-1 10543-57-4
13197-76-7 13426-91-0 14676-61-0D,
1-Propanamine, 3-(tridecyloxy)-, branched 14762-38-0
22936-75-0 25988-97-0 27083-27-8
28159-98-0 29873-30-1 29873-33-4
31075-24-8 36362-09-1 39660-17-8
55142-08-0 57413-95-3 57503-06-7

63085-03-0 67228-83-5 94005-95-5
351224-26-5

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(bactericide combinations in detergents)

L19 ANSWER 3 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:733275 HCAPLUS
DOCUMENT NUMBER: 130:136436
TITLE: In vivo characterization of the drug resistance
profile of the major ABC transporters and other
components of the yeast pleiotropic drug resistance
network
AUTHOR(S): Kolaczowski, Marcin; Kolaczowska, Anna; Luczynski,
Jacek; Witek, Stanislaw; Goffeau, Andre
CORPORATE SOURCE: Unite de Biochimie Physiologique, Universite
Catholique de Louvain, Louvain la Neuve, Belg.
SOURCE: Microbial Drug Resistance (Larchmont, New York)
(1998), 4(3), 143-158
CODEN: MDREFJ; ISSN: 1076-6294
PUBLISHER: Mary Ann Liebert, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Multidrug resistance (MDR) mediated by broad specificity transporters is one of the most important strategies used by pathogens, including cancer cells, to evade chemotherapy. In the yeast *Saccharomyces cerevisiae*, a complex pleiotropic drug resistance (PDR) network of genes involved in MDR is composed of the transcriptional regulators Pdr1p and Pdr3p, which activate expression of the ATP-binding cassette (ABC) MDR transporter-encoding genes PDR5, SNQ2, and YOR1 as well as other not yet identified genes. Three hundred forty-nine toxic compds. were screened in isogenic *S. cerevisiae* strains deleted of PDR5, SNQ2, or YOR1 in different combinations as well as both PDR1 and PDR3. The screen revealed extremely promiscuous, yet limited, and to a large extent overlapping but distinct drug resistance profiles of Pdr5p, Snq2p, and Yor1p. These ABC-MDR transporters mediated resistance to most currently available classes of clin. and agriculturally important fungicides and also to many antibiotics, **herbicides**, and others. Several classes of compds. were identified for the 1st time in the drug resistance spectrum of MDR transporters. These are fungicides, such as anilinopyrimidines, benzimidazoles, benzenedicarbonitriles, dithiocarbamates, guanidines, imidothiazoles, polyenes, pyrimidynyl carbinols, and strobilurin analogs; the urea deriv. and anilide **herbicides**; flavonoids, several membrane lipids resembling detergents; and newly synthesized lysosomotropic aminoesters; as well as many others. Identification of compds. showing Pdr1p, Pdr3p-dependent, but Pdr5p-, Snq2p-, and Yor1p-independent toxicity, reflected in the case of rhodamine 6G, by efflux alterations, suggests the involvement of new drug resistance genes and is a first step toward their identification. The highly increased toxicity of bile acids toward the PDR1, PDR3 double disruptant together with the decreased level of BAT1 promoter dependent .beta.-galactosidase activity suggest that the Bat1p ABC transporter is a new member of the PDR network. These results may contribute to a better understanding of the mechanism of MDR, in particular in the pathogenic yeast *Candida albicans*. They also provide an indication of the physiol. function of MDR transporters and suggest new approaches for the cloning of the mammalian bile acid transporters.

IT 57-09-0, Hexadecyltrimethylammonium bromide 101-54-2,
p-Aminodiphenylamine 137-16-6, N-Lauroyl sarcosine sodium salt
150-68-5, Monuron 330-54-1, Diuron 330-55-2,
Linuron 13360-45-7, Chlorbromuron 14933-08-5,
Zwittergent 3-12 14933-09-6, Zwittergent 3-14 15163-36-7
, Zwittergent 3-10

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(drug resistance profile of the major ABC transporters and other components of the yeast pleiotropic drug resistance network)

REFERENCE COUNT: 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:527297 HCAPLUS

DOCUMENT NUMBER: 129:161184

TITLE: Preparation of fatty acyl and alkyl derivatives of drugs and agrochemicals

INVENTOR(S): Myhren, Finn; Borretzen, Bernt; Dalen, Are; Sandvold, Marit Liland

PATENT ASSIGNEE(S): Norsk Hydro Asa, Norway

SOURCE: PCT Int. Appl., 128 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9832718	A1	19980730	WO 1998-NO21	19980123
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
GB 2321455	A1	19980729	GB 1997-1441	19970124
ZA 9800579	A	19980723	ZA 1998-579	19980123
AU 9857828	A1	19980818	AU 1998-57828	19980123
AU 733370	B2	20010510		
EP 977725	A1	20000209	EP 1998-901593	19980123
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI			
JP 2001522351	T2	20011113	JP 1998-531863	19980123
NO 9903563	A	19990917	NO 1999-3563	19990721
US 2001006962	A1	20010705	US 1999-355111	19990927
PRIORITY APPLN. INFO.:			GB 1997-1441	A 19970124
			WO 1998-NO21	W 19980123
AB	The properties of biol. active compds., for example drugs and agrochems. which contain in their mol. structure .gtoreq.1 functional groups selected from alc., ether, Ph, amino, amido, thiol, carboxylic acid, and carboxylic acid ester groups are modified by replacing one or more of these functional groups by a lipophilic group selected from those of the formula RCOO-, RCONH-, RCOS-, RCH2O-, RCH2NH-, -COOCH2R, -CONHCH2R and -SCH2R, (R = a lipophilic moiety selected from cis-8-heptadecenyl, trans-8-heptadecenyl, cis-10-nonadecenyl and trans-10-nonadecenyl). Data for biol. activity of title compds. were given.			
IT	94-75-7DP , lipophilic deriv. RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of fatty acyl and alkyl derivs. of drugs and agrochems.)			
IT	74-55-5DP , Ethambutol, lipophilic deriv. 83-89-6DP , Mepacrine, lipophilic deriv. 52128-35-5DP , Trimetrexate, lipophilic deriv. 210980-81-7P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);			

BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of fatty acyl and alkyl derivs. of drugs and agrochems.)
 IT **74-55-5**, Ethambutol **83-89-6**, Mepacrine **94-75-7**
 , reactions **52128-35-5**, Trimetrexate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of fatty acyl and alkyl derivs. of drugs and agrochems.)
 REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:464241 HCAPLUS
 DOCUMENT NUMBER: 127:126336
 TITLE: Low-irritation and high-foaming detergent compositions
 containing amide ether surfactants
 INVENTOR(S): Isobe, Kazuo; Kita, Kazuo; Yamasuso, Saneyoshi
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09165596	A2	19970624	JP 1995-327221	19951215

PRIORITY APPLN. INFO.: JP 1995-327221 19951215
 OTHER SOURCE(S): MARPAT 127:126336
 AB Title compns., which give creamy foam, contain (95:5)-(5:95) (A) amide ether mixts. contg. .gtoreq.50% (99:1)-(30:70) R1CONR2(CH2CH2O)nCH2CO2M [I; R1 = C5-23 alkyl, alkenyl, alkylphenyl; R2 = H, (CH2CH2O)nCH2CO2M, (CH2CH2O)mH, C1-3 alkyl; M = H, alkali metal, alk. earth metal, (alkanol)ammonium, basic amino acid; m, n = 1-10] and R1CONR3(CH2CH2O)nH [II; R1, n = same as I; R3 = H, (CH2CH2O)mH, C1-3 alkyl] and .ltoreq.5% R4OCH2CH(OR4)CH2OR4 [R4 = (CH2CH2O)nCH2CO2M, (CH2CH2O)mH; M, m, n = same as above] and (B) .gtoreq.1 surfactants chosen from N-acyl(methyl)taurines, N-acylglycines, N-acylaspartic acids, N-acylsarcosines, alkyliminodicarboxylic acids, and their salts. Me laurate (214.4 g) was successively treated with 61.7 g HOCH2CH2NH2, 88.2 g ethylene oxide, and 174.8 g ClCH2CO2Na to give an amide ether mixt. contg. 82% I (R1 = C11H23, R2 = H, M = Na, n = 3) and 14% II (R1 = C11H23, R3 = H, n = 3). A body shampoo was prepd. from the mixt. 10, N-(C14 acyl)taurine 5, palm kernel oil fatty acid diehanolamide 3, perfume 0.3, citric acid, NaOH, and H2O to 100%.
 IT **141-43-5**, reactions **3926-62-3**, Sodium monochloroacetate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (amide ether prepn. from; low-irritation and high-foaming detergents contg. amide ethers and acyltaurines as surfactants)
 IT **66466-61-3 139645-76-4**, N-Dodecanoylglycine triethanolamine salt
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (low-irritation and high-foaming detergents contg. amide ethers and acyltaurines as surfactants)

L19 ANSWER 6 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:346004 HCAPLUS
 DOCUMENT NUMBER: 125:13832
 TITLE: Detergent compositions containing amide ethers and amphoteric surfactants
 INVENTOR(S): Isobe, Kazuo; Azuma, Toshikazu; Nishikawa, Hideyo; Imamura, Takashi
 PATENT ASSIGNEE(S): Kao Corporation, Japan

SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9605281	A1	19960222	WO 1995-JP1566	19950807
W: US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 08104888	A2	19960423	JP 1995-65554	19950324
EP 723004	A1	19960724	EP 1995-927982	19950807
EP 723004	B1	20020703		
R: DE, ES, FR, GB				
ES 2179108	T3	20030116	ES 1995-927982	19950807
US 5693605	A	19971202	US 1996-624632	19960410
PRIORITY APPLN. INFO.:			JP 1994-188060	A 19940810
			WO 1995-JP1566	W 19950807

OTHER SOURCE(S): MARPAT 125:13832

AB The compns. contain (A) an amide ether deriv. mixt. contg. .gtoreq.50% in total, based on the solid component, of R1CONR2(CH2CH2O)nCH2CO2M (I), and R1CONR3(CH2CH2O)nH [II; R1 = C5-23 alkyl, alkenyl or Ph substituted by C5-23 alkyl; R2 = H, (C2H4O)nCH2CO2M, (C2H4O)mH, C1-3 alkyl; R3 = H, (C2H4O)mH, C1-3 alkyl; M = H, alkali metal cation; n = 1-20] with I/II ratio 99:1 to 10:90, and .ltoreq.5% R4OCH(CH2OR4)2 [R4 = H, (C2H4O)nCH2CO2M, (C2H4O)mH; m, n = 1-20]; and (B) anionic surfactants. The compns. are lowly irritative and highly foaming and give creamy foams.

IT **53576-49-1**
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (lowly irritative detergents contg. amide ethers and anionic surfactants)

IT **141-43-5**, Monoethanolamine, reactions **3926-62-3**, Sodium chloroacetate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (lowly irritative detergents contg. amide ethers and anionic surfactants)

L19 ANSWER 7 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:91910 HCAPLUS

DOCUMENT NUMBER: 124:126859

TITLE: Shampoos and other detergent compositions containing carboxylic acids and N-acylamino acid salts

INVENTOR(S): Katsuyama, Tomosuke; Uehara, Keiichi; Fukuda, Toshio

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07304652	A2	19951121	JP 1994-101357	19940516
PRIORITY APPLN. INFO.:			JP 1994-101357	19940516

OTHER SOURCE(S): MARPAT 124:126859

AB Shampoos or other detergent compns. with acidic-weakly alk. pH (pH 4-8) and having excellent foaming activities contain: (A) carboxylic acids and/or carboxylic acid salts RCH(OX2)CH2OX1 (I) [R = C4-34 alkyl or alkenyl; X1 and X2 = one is CH2COOM and the other is H (M = H, Na, K, Li,

Mg or other alkali (earth) metal, ammonia, lower alkanolamine cation, lower **alkylamine** cation, basic amino acid cation or aminosugar cation)] and (B) N-acylamino acid salts such as sodium N-Lauroyl-L-glutamate and sodium N-lauroyl sarcosine. Thus, 1,2-dodecanediol, sodium, and dioxane were heated at 100.degree. for 5 h and the reaction product was treated with sodium monochloroacetate to give a mixt. contg. I [R = C10H21; X1 = CH2COONa; X2 = H] and I [R = C10H21; X1 = H; X2 = CH2COONa]. An liq. detergent contained the mixt. 12.5, N-lauroyl-L-glutamic acid K salt 12.5, dipropylene glycol 5, hydroxypropylmethyl cellulose 1, perfumes, and ion-exchanged water to 100%.

IT **137-16-6**, Sodium N-lauroylsarcosine **21539-76-4**

29923-31-7, Sodium N-Lauroyl-L-glutamate **58956-32-4**

72716-26-8

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(shampoos and other detergent compns. contg. carboxylic acids and N-acylamino acid salts)

IT **3926-62-3**, Sodium monochloroacetate

RL: RCT (Reactant); RACT (Reactant or reagent)

(shampoos and other detergent compns. contg. carboxylic acids and N-acylamino acid salts)

L19 ANSWER 8 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:879399 HCAPLUS

DOCUMENT NUMBER: 124:32570

TITLE: Peroxide bleach compositions containing cationic activators

INVENTOR(S): Ogura, Nobuyuki; Shimizu, Toshio; Yamaguchi, Yukyoshi; Aoyanagi, Muneo

PATENT ASSIGNEE(S): Kao Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07216396	A2	19950815	JP 1994-8041	19940128
PRIORITY APPLN. INFO.:			JP 1994-8041	19940128

OTHER SOURCE(S): MARPAT 124:32570

AB Odorless compns., not causing fading of color in dyed fabrics, etc., contain (a) H2O2 (I) or peroxides releasing I in aq. solns. and (b) AR2CO2R3NR4R5R6+ Y- [II; A = group of Taft .sigma.* value .gtoreq.1.0; R2 = C1-6 alkylene, p-(CH2)mC6H4(CH2)n; m, n = 0-2; R3 = C1-3 alkylene; R4-R6 = C1-5 alkyl, hydroxyalkyl; Y = (in)org. anion]. The cationic compds. II release org. peracids in reaction with I. Thus, Na2C2O6 75, II (AR2 = C11H23CO2CH2; R3 = C2H4, R4-R6 = Me; Y = Cl) 10, Na2CO3 14.9, and [NaOP(OH)(O)]2CMeOH 0.1% were mixed to give a compn. showing a bleaching effect on tea stains.

IT **171890-03-2P**

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(activators; hydrogen peroxide-based bleaching agents contg. cationic activators releasing org. peracids)

IT **7596-88-5P**, Lauroylglycine

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(prep. of cationic activators for peroxide bleaching agents)

IT **108-01-0**, 2-(Dimethylamino)ethanol **3926-62-3**, Sodium chloroacetate

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of cationic activators for peroxide bleaching agents)

L19 ANSWER 9 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:48097 HCAPLUS
DOCUMENT NUMBER: 120:48097
TITLE: Emulsion compositions for preparation of agrochemicals
and anti-epidemic drugs
INVENTOR(S): Narasaki, Mitsutoshi; Ikeda, Terukazu
PATENT ASSIGNEE(S): Mikasa Kagaku Kogyo Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05221803	A2	19930831	JP 1992-26977	19920213
JP 3282843	B2	20020520		

PRIORITY APPLN. INFO.: JP 1992-26977 19920213

AB A water-sol. emulsion compn. suitable for prepn. of solid agrochem. or anti-epidemic drug contains a surfactant, a water-insol. org. solvent, an alk. additive, and a silicate. The active ingredient in this compn. can be prepd. in the form of inclusion compd. or microencapsulated. A method of using the compn. in rice paddy is disclosed. Prepn. of a pesticide compn. contg. phenitrothion and prepn. of a variety of agrochems. and anti-epidemic drugs were also demonstrated.

IT **22936-75-0**, Dimethametryn **71561-11-0**, Pyrazoxyfen

RL: ANST (Analytical study)
(Emulsion compn. contg., prepn. of)

IT **74784-46-6**

RL: ANST (Analytical study)
(gelation agent, in prepn. of emulsion contg. agrochem. or disinfectant)

L19 ANSWER 10 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1992:612964 HCAPLUS
DOCUMENT NUMBER: 117:212964
TITLE: Preparation of N-substituted aspartic acids, their salts, and the intermediates.
INVENTOR(S): Imanaka, Takehiro; Mizushima, Yosen; Yokota, Yukinaga; Yamada, Isao; Suzuki, Satoru
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04145056	A2	19920519	JP 1990-268074	19901004

PRIORITY APPLN. INFO.: JP 1990-268074 19901004

OTHER SOURCE(S): CASREACT 117:212964; MARPAT 117:212964

AB R1CONR2CH(CO2M)CH2CO2M [I; R1 = alkyl, alkenyl; R2 = (hydroxy)alkyl, alkenyl, -E-N(R3)2Y, HO(AO)nA; n = 1-20; A = alkylene, E = alkylene; R3 = alkyl, Y = (hydroxy)alkyl substituted by CO2- or SO3-; M = H, alkali metal, etc.], useful as surfactants (no data), are prepd., e.g., via reaction of R6NHCH(CO2R4)CH2CO2R5 [R4, R5 = alkyl; R6 = (hydroxy)alkyl, alkenyl, HO(AO)nA] with R1COX (X = OH, halo, alkoxy, OCOR1). Maleic acid

di-Me ester was reacted with 40% aq. MeNH₂ at 25-30.degree. for 4 h, the product was acylated with lauroyl chloride to give N-methyl-N-lauroylaspartic acid di-Me ester, which was hydrolyzed (NaOH) to give 33% I [R1CO = lauroyl, R2 = Me, M = H).

IT **144207-27-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for surfactants)

IT **144207-23-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as surfactant)

IT **74-89-5, Methylamine**, reactions **109-55-7**,

3-(Dimethylamino)propylamine 929-06-6

3926-62-3, Sodium chloroacetate

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of surfactants)

L19 ANSWER 11 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1987:459436 HCAPLUS

DOCUMENT NUMBER: 107:59436

TITLE: Structure elucidation of the antimycetic
glycolipodepsipeptide **herbicolin A**

AUTHOR(S): Koenig, W. A.; Aydin, M.; Lucht, N.; Winkelmann, G.;
Lupp, R.; Jung, G.

CORPORATE SOURCE: Inst. Org. Chem., Univ. Hamburg, Hamburg, D-2000/13,
Fed. Rep. Ger.

SOURCE: Chemistry of Peptides and Proteins (1986), 3, 307-20
CODEN: CHPPER; ISSN: 0723-6271

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB The structure of **herbicolin A** (I) was established by gas
chromatog. and mass spectral techniques.

IT **109329-83-1 109329-84-2**

RL: PRP (Properties)
(mass spectrum of, in structure elucidation of **herbicolin A**)

IT **74188-23-1, Herbicolin A**

RL: PROC (Process)
(mol. structure detn. of)

L19 ANSWER 12 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1975:565734 HCAPLUS

DOCUMENT NUMBER: 83:165734

TITLE: Scouring agents for textiles

INVENTOR(S): Fukunishi, Akira

PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50059572	A2	19750522	JP 1973-109709	19730929
JP 51033224	B4	19760918		

PRIORITY APPLN. INFO.: JP 1973-109709 19730929

GI For diagram(s), see printed CA Issue.

AB Compns. contg. R1CONR2ZCO2R3 (R1 = C.gtoREQ.7 hydrocarbon group; R2 = H or
an org. group; Z = an org. bivalent group; R3 = alkali metal or amine) and
an amphoteric carboxylic acid surfactant contg. C.gtoREQ.8 hydrocarbon
groups are used as scouring agents for fibers. Thus, Na
N-lauroylglycinate [18777-32-7] 100, I [13039-26-4] 50, and H2O

150 parts were mixed. Silk yarns were immersed in an aq. compn. contg. 0.5 wt.% of the resulting paste and 0.3 wt.% Na silicate for 60 min at 95-98.degree. to give white yarns with good hand. Na N-lauroylalaninate [55535-58-5], dimethyl(stearamidopropyl)betaine [6179-44-8], and the reaction products of N,N-bis(2-hydroxyethyl)stearamide [93-82-3] and Na monochloroacetate [3926-62-3] were also used. Cotton and wool fabrics were also scoured.

IT 55535-58-5

RL: USES (Uses)

(scouring agents contg., for cotton fabrics, for increased whiteness)

IT 18777-32-7

RL: USES (Uses)

(scouring agents contg., for silk fabrics, for increased whiteness)

L19 ANSWER 13 OF 13 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1975:60516 HCAPLUS

DOCUMENT NUMBER: 82:60516

TITLE: N-Acyl sarcosine salts

INVENTOR(S): Bathory, Jozsef; Trocsanyi, Zeno; Bozoki, Gabor; Vereczkey, Gyorgy; Grosz, Miklos

PATENT ASSIGNEE(S): Magyar Asvanyolaj es Foldgaskiserleti Intezet; Kozmetikai es Haztartasvegyipari Vallalat

SOURCE: Hung. Teljes, 19 pp.

CODEN: HUXXB

DOCUMENT TYPE: Patent

LANGUAGE: Hungarian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 8567		19740828	HU 1973-KO2595	19730604

AB Highly pure surfactants were prepd. by adding aq. ClCH₂CO₂Na [3926-62-3] to aq. MeNH₂ [74-89-5] at 45-60.degree., removing excess MeNH₂, and adding Cl₂-18 alkanoyl chloride contg. PCl₃. Thus, 120 g 31% aq. ClCH₂CO₂Na was added to 2 kg 30% aq. MeNH₂ during 90 min at 45-50.degree./1.5-3 atm followed by 320 g 40% NaOH, MeNH₂ was removed at 100.degree./40 mm, and the mixt. was treated with 544 g lauroyl chloride [112-16-3] contg. 4% PCl₃ and 534 g 4N NaOH at 20.degree. to prep. 595 g N-dodecanoyl-N-methylglycine Na salt [137-16-6].

IT 3926-62-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methylamine)

IT 74-89-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with sodium chloroacetate)

IT 137-16-6

RL: TEM (Technical or engineered material use); USES (Uses)
(surfactants)

=> select hit rn 119 1-13

E1 THROUGH E105 ASSIGNED

=> fil reg

FILE 'REGISTRY' ENTERED AT 14:01:49 ON 04 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0
 DICTIONARY FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

=>

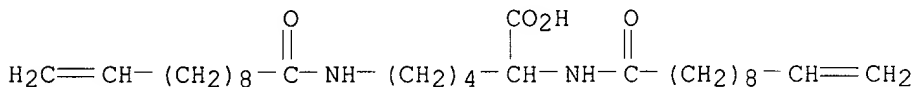
=> d his l20-

(FILE 'HCAPLUS' ENTERED AT 14:01:21 ON 04 MAR 2003)
 SELECT HIT RN L19 1-13

FILE 'REGISTRY' ENTERED AT 14:01:49 ON 04 MAR 2003
 L20 104 S E1-E105 NOT L16
 L21 17 S L20 AND L2

=> d ide can l21 1-17

L21 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **415973-29-4** REGISTRY
 CN Lysine, N2,N6-bis(1-oxo-10-undecenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C28 H50 N2 O4
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



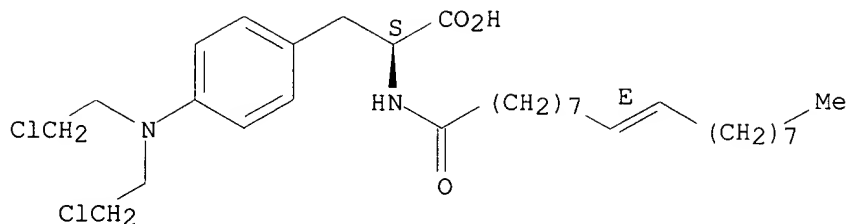
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:342440

L21 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **210980-81-7** REGISTRY
 CN L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-N-[(9E)-1-oxo-9-octadecenyl]-
 (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C31 H50 Cl2 N2 O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.
 Double bond geometry as shown.

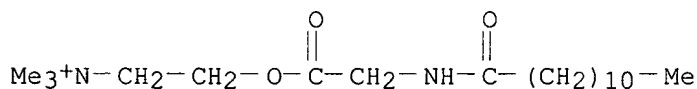


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 129:161184

L21 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **171890-03-2** REGISTRY
CN Glycine, N-(1-oxododecyl)-, 2-(trimethylammonio)ethyl ester, chloride
(9CI) (CA INDEX NAME)
MF C19 H39 N2 O3 . Cl
SR CA
LC STN Files: CA, CAPLUS

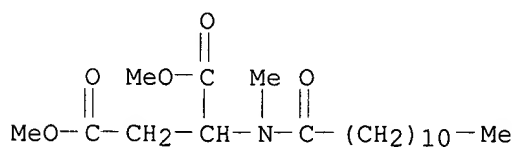


● Cl⁻

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:32570

L21 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **144207-27-2** REGISTRY
CN Aspartic acid, N-methyl-N-(1-oxododecyl)-, dimethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN DL-Aspartic acid, N-methyl-N-(1-oxododecyl)-, dimethyl ester
FS 3D CONCORD
MF C19 H35 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT

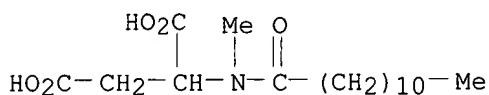


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 117:212964

L21 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **144207-23-8** REGISTRY
CN Aspartic acid, N-methyl-N-(1-oxododecyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN DL-Aspartic acid, N-methyl-N-(1-oxododecyl)-
FS 3D CONCORD
MF C17 H31 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

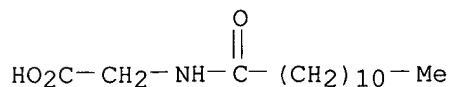
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 117:212964

L21 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **139645-76-4** REGISTRY
CN Glycine, N-(1-oxododecyl)-, compd. with 2,2',2''-nitrilotris[ethanol]
(1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanol, 2,2',2''-nitrilotris-, compd. with N-(1-oxododecyl)glycine (1:1)
(9CI)
OTHER NAMES:
CN N-Dodecanoylglycine triethanolamine salt
CN N-Lauroylglycine triethanolamine salt
MF C14 H27 N O3 . C6 H15 N O3
SR CA
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL

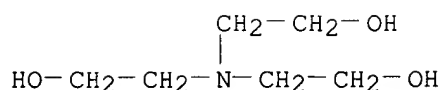
CM 1

CRN 7596-88-5
CMF C14 H27 N O3



CM 2

CRN 102-71-6
CMF C6 H15 N O3



13 REFERENCES IN FILE CA (1962 TO DATE)
13 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:335004
REFERENCE 2: 135:141973
REFERENCE 3: 130:213431
REFERENCE 4: 130:186995
REFERENCE 5: 127:126336
REFERENCE 6: 125:171583
REFERENCE 7: 124:352358
REFERENCE 8: 124:264112
REFERENCE 9: 124:235635
REFERENCE 10: 124:211500

L21 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **109329-83-1** REGISTRY

CN 2-Butenoic acid, 2-[[[1-oxo-3-[(trimethylsilyl)oxy]tetradecyl]amino]-, trimethylsilyl ester, (R)- (9CI) (CA INDEX NAME)

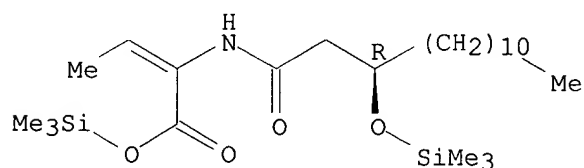
FS STEREOSEARCH

MF C24 H49 N O4 Si2

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 107:59436

L21 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **74784-46-6** REGISTRY

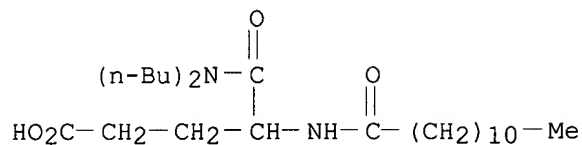
CN Pentanoic acid, 5-(dibutylamino)-5-oxo-4-[(1-oxododecyl)amino]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-Lauroylglutamic acid dibutylamide

FS 3D CONCORD

MF C25 H48 N2 O4
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

25 REFERENCES IN FILE CA (1962 TO DATE)
 25 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:142209
 REFERENCE 2: 137:316428
 REFERENCE 3: 136:24951
 REFERENCE 4: 131:248051
 REFERENCE 5: 130:184109
 REFERENCE 6: 127:225041
 REFERENCE 7: 127:19971
 REFERENCE 8: 127:19970
 REFERENCE 9: 127:19968
 REFERENCE 10: 126:250482

L21 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **72716-26-8** REGISTRY

CN L-Glutamic acid, N-(1-oxotetradecyl)-, monopotassium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Monopotassium N-myristoyl-L-glutamate

CN N-Myristoylglutamate mono-potassium salt

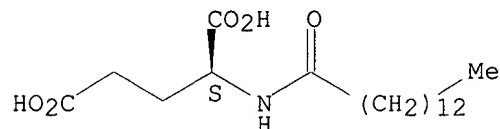
FS STEREOSEARCH

MF C19 H35 N O5 . K

LC STN Files: CA, CAPLUS, CHEMLIST

CRN (53576-52-6)

Absolute stereochemistry.



K

9 REFERENCES IN FILE CA (1962 TO DATE)

9 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:386361
 REFERENCE 2: 136:371480
 REFERENCE 3: 125:308647
 REFERENCE 4: 124:126859
 REFERENCE 5: 123:183310
 REFERENCE 6: 112:25368
 REFERENCE 7: 111:180457
 REFERENCE 8: 102:26897
 REFERENCE 9: 92:78572

L21 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **66466-61-3** REGISTRY

CN L-Aspartic acid, N-(1-oxododecyl)-, ammonium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ammonium N-lauroyl-L-aspartate

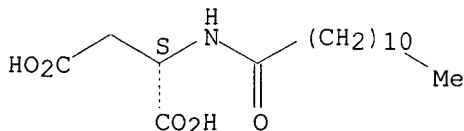
FS STEREOSEARCH

MF C16 H29 N O5 . x H3 N

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

CRN (1116-13-8)

Absolute stereochemistry.



● x NH3

3 REFERENCES IN FILE CA (1962 TO DATE)

3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:126336
 REFERENCE 2: 116:221334
 REFERENCE 3: 88:192354

L21 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **58956-32-4** REGISTRY

CN L-Glutamic acid, N-(1-oxooctadecyl)-, monopotassium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-Stearoyl-L-glutamic acid monopotassium salt

CN N-Stearoylglutamic acid monopotassium salt

CN Stearoyl-L-glutamic acid monopotassium salt

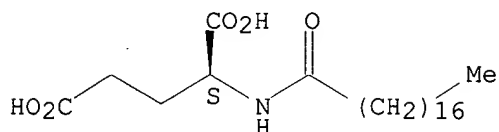
FS STEREOSEARCH

MF C23 H43 N O5 . K

LC STN Files: CA, CAPLUS, CHEMLIST

CRN (3397-16-8)

Absolute stereochemistry.



● K

9 REFERENCES IN FILE CA (1962 TO DATE)
9 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:126936
REFERENCE 2: 133:153009
REFERENCE 3: 124:126859
REFERENCE 4: 122:64003
REFERENCE 5: 116:11020
REFERENCE 6: 113:103200
REFERENCE 7: 90:188916
REFERENCE 8: 90:106098
REFERENCE 9: 84:166618

L21 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 55535-58-5 REGISTRY

CN L-Alanine, N-(1-oxododecyl)-, monosodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN L-Alanine, N-(1-oxododecyl)-, sodium salt

OTHER NAMES:

CN N-Lauroyl-L-alanine sodium salt

CN Sodium L-lauroylalaninate

CN Sodium N-dodecanoyl-L-alaninate

CN Sodium N-lauroyl-L-alaninate

CN Sodium N-lauroylalaninate

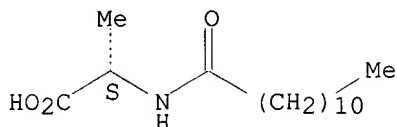
FS STEREOSEARCH

MF C15 H29 N O3 . Na

LC STN Files: CA, CAPLUS, USPATFULL

CRN (52558-74-4)

Absolute stereochemistry.



● Na

40 REFERENCES IN FILE CA (1962 TO DATE)
40 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:114258
REFERENCE 2: 136:172471
REFERENCE 3: 136:59162
REFERENCE 4: 133:165461
REFERENCE 5: 132:321708
REFERENCE 6: 132:4265
REFERENCE 7: 131:352892
REFERENCE 8: 129:163791
REFERENCE 9: 126:347613
REFERENCE 10: 124:264100

L21 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN 53576-49-1 REGISTRY

CN L-Glutamic acid, N-(1-oxododecyl)-, compd. with 2,2',2''-nitriлотris[ethanol] (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethanol, 2,2',2''-nitriлотris-, N-(1-oxododecyl)-L-glutamate (1:1) (salt) (9CI)

OTHER NAMES:

CN Amisoft LS 1
CN Dodecylglutamic acid monotriethanolamine salt
CN Monotriethanolamine N-lauroyl-L-glutamate
CN Monotriethanolamine N-lauroylglutamate
CN N-Lauroyl-L-glutamic acid mono(triethanolamine) salt
CN N-Lauroyl-L-glutamic acid triethanolamine salt
CN N-Lauroylglutamic acid mono(triethanolamine) salt

FS STEREOSEARCH

MF C17 H31 N O5 . C6 H15 N O3

CI COM

LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL

Other Sources: EINECS**, NDSL**, TSCA**

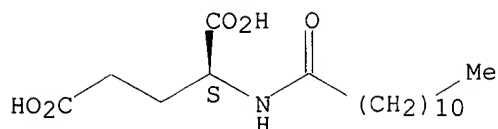
(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 3397-65-7

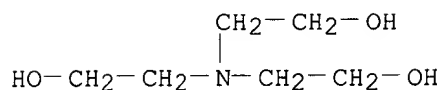
CMF C17 H31 N O5

Absolute stereochemistry.



CM 2

CRN 102-71-6
CMF C6 H15 N O3



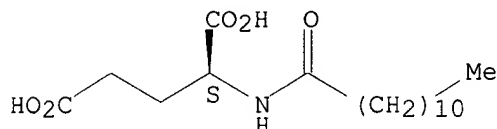
71 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
71 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:268125
REFERENCE 2: 137:252699
REFERENCE 3: 137:80652
REFERENCE 4: 135:335004
REFERENCE 5: 135:81858
REFERENCE 6: 133:177485
REFERENCE 7: 133:91030
REFERENCE 8: 130:353948
REFERENCE 9: 130:286810
REFERENCE 10: 130:286785

L21 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2003 ACS
RN **29923-31-7** REGISTRY
CN L-Glutamic acid, N-(1-oxododecyl)-, monosodium salt (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glutamic acid, N-lauroyl-, monosodium salt, L- (8CI)
OTHER NAMES:
CN Acylglutamate LS 11
CN Amisoft LS 11
CN Hostapon CLG
CN LS 11
CN Monosodium N-lauroyl-L-glutamate
CN N-Dodecanoylglutamic acid sodium salt
CN N-Lauroyl-L-glutamic acid monosodium salt
CN N-Lauroyl-L-glutamic acid sodium salt
CN N-Lauroylglutamic acid sodium salt
CN Sodium N-dodecanoylglutamate
CN Sodium N-lauroyl-L-glutamate
CN Sodium N-lauroylglutamate
FS STEREOSEARCH

DR 51959-34-3
 MF C17 H31 N O5 . Na
 LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, IFICDB, IFIPAT,
 IFIUDB, RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (3397-65-7)

Absolute stereochemistry.

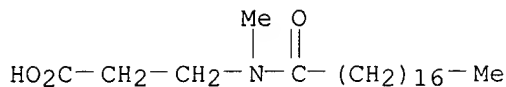


● Na

175 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 176 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:44472
 REFERENCE 2: 138:44433
 REFERENCE 3: 138:28952
 REFERENCE 4: 138:8249
 REFERENCE 5: 137:386361
 REFERENCE 6: 137:268127
 REFERENCE 7: 137:237446
 REFERENCE 8: 137:129562
 REFERENCE 9: 137:114265
 REFERENCE 10: 137:95561

L21 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2003 ACS
 RN **21539-76-4** REGISTRY
 CN .beta.-Alanine, N-methyl-N-(1-oxooctadecyl)-, sodium salt (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN .beta.-Alanine, N-methyl-N-stearoyl-, sodium salt (8CI)
 OTHER NAMES:
 CN Sodium N-stearoyl-N-methyl-.beta.-alaninate
 MF C22 H43 N O3 . Na
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
 CRN (13222-32-7)



● Na

8 REFERENCES IN FILE CA (1962 TO DATE)
8 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 134:155184
REFERENCE 2: 124:320161
REFERENCE 3: 124:149250
REFERENCE 4: 124:149249
REFERENCE 5: 124:126859
REFERENCE 6: 112:141385
REFERENCE 7: 99:58742
REFERENCE 8: 70:38074

L21 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **18777-32-7** REGISTRY

CN Glycine, N-(1-oxododecyl)-, monosodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N-lauroyl-, monosodium salt (7CI, 8CI)

CN Glycine, N-lauroyl-, sodium salt (6CI)

OTHER NAMES:

CN N-Lauroylglycine sodium salt

CN Sodium .beta.-lauroylaminoacetate

CN Sodium dodecanoylglycinate

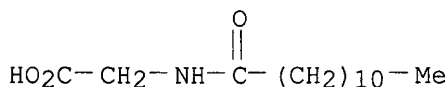
CN Sodium N-lauroylglycinate

CN Sodium N-lauroylglycine

MF C14 H27 N O3 . Na

LC STN Files: CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, IFICDB, IFIPAT,
IFIUDB, TOXCENTER, USPATFULL

CRN (7596-88-5)



● Na

61 REFERENCES IN FILE CA (1962 TO DATE)
61 REFERENCES IN FILE CAPLUS (1962 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:371510
REFERENCE 2: 135:185242

REFERENCE 3: 134:136484
 REFERENCE 4: 132:339088
 REFERENCE 5: 132:4265
 REFERENCE 6: 131:352893
 REFERENCE 7: 131:352892
 REFERENCE 8: 131:303255
 REFERENCE 9: 129:293703
 REFERENCE 10: 129:291443

L21 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2003 ACS

RN **7596-88-5** REGISTRY

CN Glycine, N-(1-oxododecyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N-lauroyl- (6CI, 7CI, 8CI)

OTHER NAMES:

CN Lauroylglycine

CN N-Dodecanoyl-glycine

CN N-Lauroylglycine

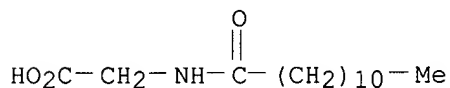
FS 3D CONCORD

MF C14 H27 N O3

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER,
 USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

115 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

115 REFERENCES IN FILE CAPLUS (1962 TO DATE)

5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:100943
 REFERENCE 2: 138:3665
 REFERENCE 3: 137:108331
 REFERENCE 4: 136:349915
 REFERENCE 5: 136:50509
 REFERENCE 6: 136:11496
 REFERENCE 7: 135:197238
 REFERENCE 8: 134:300629

REFERENCE 9: 134:224223

REFERENCE 10: 134:223994

=>
=>
=> d his 122

(FILE 'REGISTRY' ENTERED AT 14:01:49 ON 04 MAR 2003)
L22 87 S L20 NOT L21

=> d reg 122 1-87

1	RN	351224-26-5	REGISTRY
2	RN	109329-84-2	REGISTRY
3	RN	94005-95-5	REGISTRY
4	RN	74188-23-1	REGISTRY
5	RN	71561-11-0	REGISTRY
DR	118258-43-8		
6	RN	67228-83-5	REGISTRY
7	RN	63085-03-0	REGISTRY
8	RN	57503-06-7	REGISTRY
9	RN	57413-95-3	REGISTRY
DR	33826-92-5		
10	RN	55142-08-0	REGISTRY
11	RN	52128-35-5	REGISTRY
12	RN	39660-17-8	REGISTRY
DR	172960-21-3, 67167-39-9, 115566-37-5, 141313-15-7, 80296-69-1, 181379-27-1, 182893-05-6, 188018-51-1, 199455-15-7		
13	RN	36362-09-1	REGISTRY
14	RN	31075-24-8	REGISTRY
15	RN	29873-33-4	REGISTRY
16	RN	29873-30-1	REGISTRY
17	RN	28159-98-0	REGISTRY
18	RN	27083-27-8	REGISTRY
19	RN	25988-97-0	REGISTRY
DR	113169-98-5, 153569-59-6, 153569-63-2, 92769-10-3, 184007-91-8, 186554-50-7, 223538-87-2, 285569-36-0		
20	RN	22936-75-0	REGISTRY
DR	60617-10-9		
21	RN	15163-36-7	REGISTRY
22	RN	14933-09-6	REGISTRY
DR	209907-49-3		
23	RN	14933-08-5	REGISTRY
DR	134280-89-0, 74812-18-3, 76975-15-0, 107934-23-6		
24	RN	14762-38-0	REGISTRY
25	RN	14676-61-0	REGISTRY
26	RN	13426-91-0	REGISTRY
DR	45650-15-5		
27	RN	13360-45-7	REGISTRY
28	RN	13197-76-7	REGISTRY
DR	25590-03-8		
29	RN	10563-26-5	REGISTRY
DR	50484-73-6		
30	RN	10543-57-4	REGISTRY
31	RN	10378-23-1	REGISTRY
32	RN	7378-99-6	REGISTRY
33	RN	7287-19-6	REGISTRY
DR	83653-07-0		
34	RN	7173-62-8	REGISTRY
DR	51792-01-9, 152725-46-7		
35	RN	5915-41-3	REGISTRY

DR	63026-57-3		
36	RN	5725-96-2	REGISTRY
DR	34689-88-8		
37	RN	5538-95-4	REGISTRY
DR	52907-39-8		
38	RN	5332-73-0	REGISTRY
39	RN	4317-79-7	REGISTRY
40	RN	4182-44-9	REGISTRY
41	RN	3926-62-3	REGISTRY
42	RN	3710-84-7	REGISTRY
43	RN	3332-27-2	REGISTRY
44	RN	2571-88-2	REGISTRY
DR	135462-97-4,	89258-01-5	
45	RN	2372-82-9	REGISTRY
46	RN	1696-17-9	REGISTRY
47	RN	1643-20-5	REGISTRY
DR	177162-47-9,	163221-07-6,	135526-66-8, 73502-08-6, 160714-02-3,
	311814-25-2		
48	RN	1120-24-7	REGISTRY
49	RN	996-35-0	REGISTRY
50	RN	929-06-6	REGISTRY
51	RN	886-50-0	REGISTRY
52	RN	683-10-3	REGISTRY
DR	128885-05-2,	131131-70-9,	25251-14-3, 103171-41-1, 89045-97-6, 39033-74-4
53	RN	330-55-2	REGISTRY
DR	56645-87-5		
54	RN	330-54-1	REGISTRY
DR	127641-75-2,	56449-18-4,	102962-29-8, 150825-44-8, 201749-62-4
55	RN	150-68-5	REGISTRY
56	RN	141-43-5	REGISTRY
DR	9007-33-4		
57	RN	124-09-4	REGISTRY
58	RN	122-34-9	REGISTRY
DR	11141-20-1,	12764-71-5,	119603-94-0, 39291-64-0
59	RN	122-07-6	REGISTRY
60	RN	121-44-8	REGISTRY
DR	449752-61-8,	168277-99-4,	172227-74-6, 144514-14-7
61	RN	112-75-4	REGISTRY
62	RN	112-69-6	REGISTRY
DR	39322-11-7		
63	RN	112-24-3	REGISTRY
DR	14175-14-5,	105093-20-7,	71124-11-3, 39421-77-7, 110670-33-2
64	RN	112-18-5	REGISTRY
DR	83855-86-1,	52622-54-5	
65	RN	111-92-2	REGISTRY
66	RN	111-42-2	REGISTRY
DR	8033-73-6		
67	RN	111-41-1	REGISTRY
DR	51251-98-0		
68	RN	111-40-0	REGISTRY
DR	8076-55-9,	53303-76-7,	54018-92-7, 59135-90-9, 94700-17-1, 98824-35-2,
	73989-30-7,	26915-78-6,	419553-44-9
69	RN	109-89-7	REGISTRY
70	RN	109-76-2	REGISTRY
DR	54018-94-9		
71	RN	109-55-7	REGISTRY
DR	68497-58-5		
72	RN	108-16-7	REGISTRY
DR	53657-16-2		
73	RN	108-01-0	REGISTRY
DR	116134-09-9		
74	RN	107-95-9	REGISTRY
DR	87867-95-6		

75 RN 107-43-7 REGISTRY
 DR 11042-12-9, 590-30-7, 24980-93-6, 45631-77-4
 76 RN 107-15-3 REGISTRY
 DR 8030-24-8, 85404-18-8
 77 RN 104-78-9 REGISTRY
 78 RN 101-54-2 REGISTRY
 DR 12227-74-6
 79 RN 101-21-3 REGISTRY
 DR 11097-02-2
 80 RN 100-37-8 REGISTRY
 DR 102802-00-6
 81 RN 94-75-7 REGISTRY
 DR 15183-39-8
 82 RN 83-89-6 REGISTRY
 DR 66777-81-9
 83 RN 75-31-0 REGISTRY
 DR 85404-24-6
 84 RN 74-89-5 REGISTRY
 DR 119775-09-6, 85404-17-7, 42939-70-8
 85 RN 74-55-5 REGISTRY
 86 RN 57-09-0 REGISTRY
 DR 12294-25-6, 104302-76-3, 108779-80-2, 69217-35-2, 79631-76-8
 87 RN 55-86-7 REGISTRY
 DR 37244-63-6, 159923-90-7

=>
 =>
 => d ide can 122 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 87

L22 ANSWER 1 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN 351224-26-5 REGISTRY
 CN 1,6-Hexanediamine, N,N,N',N'-tetramethyl-, polymer with
 (chloromethyl)oxirane, hydrochloride, compd. with (chloromethyl)benzene
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzene, (chloromethyl)-, compd. with N,N,N',N'-tetramethyl-1,6-
 hexanediamine polymer with (chloromethyl)oxirane hydrochloride (9CI)
 CN Oxirane, (chloromethyl)-, polymer with N,N,N',N'-tetramethyl-1,6-
 hexanediamine, hydrochloride, compd. with (chloromethyl)benzene (9CI)
 MF (C10 H24 N2 . C3 H5 Cl O)x . x C7 H7 Cl . x Cl H
 PCT Polyether, Polyether formed, Polyionene, Polyionene formed
 SR CA
 LC STN Files: CA, CAPLUS

CM 1
 CRN 100-44-7
 CMF C7 H7 Cl

Ph-CH₂-Cl

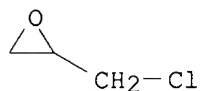
CM 2
 CRN 110563-13-8
 CMF (C10 H24 N2 . C3 H5 Cl O)x
 CCI PMS
 CM 3

CRN 111-18-2
CMF C10 H24 N2

Me₂N—(CH₂)₆—NMe₂

CM 4

CRN 106-89-8
CMF C3 H5 Cl O



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:124156

L22 ANSWER 5 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 71561-11-0 REGISTRY

CN Ethanone, 2-[[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-phenyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,3-Dimethyl-4-(2,4-dichlorobenzoyl)-5-phenacyloxypyrazole

CN Paicer

CN Pyrazoxyfen

CN SL 49

CN SL 49 (herbicide)

FS 3D CONCORD

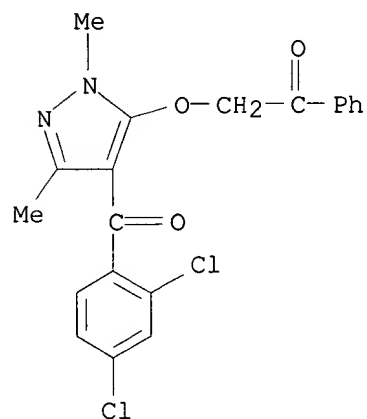
DR 118258-43-8

MF C20 H16 Cl2 N2 O3

CI COM

LC STN Files: ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

164 REFERENCES IN FILE CA (1962 TO DATE)
 38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 164 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:68331
 REFERENCE 2: 138:34679
 REFERENCE 3: 137:274424
 REFERENCE 4: 137:212317
 REFERENCE 5: 137:181103
 REFERENCE 6: 137:42990
 REFERENCE 7: 136:324283
 REFERENCE 8: 136:195645
 REFERENCE 9: 136:150647
 REFERENCE 10: 136:123148

L22 ANSWER 10 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **55142-08-0** REGISTRY

CN 1-Dodecanaminium, N-(carboxymethyl)-N,N-dimethyl-, chloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN (Carboxymethyl)dodecyldimethylammonium chloride (6CI, 7CI)

OTHER NAMES:

CN (Carboxymethyl)dimethyldodecylammonium chloride

CN Dodecyldimethyl betaine hydrochloride

CN Dodecyldimethyl(carboxymethyl)ammonium chloride

MF C16 H34 N O2 . Cl

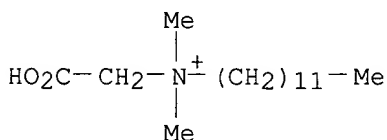
CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST, MEDLINE
 (*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (86100-46-1)



● Cl⁻

11 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 11 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:124156

REFERENCE 2: 128:257132
 REFERENCE 3: 121:18693
 REFERENCE 4: 120:194529
 REFERENCE 5: 107:85987
 REFERENCE 6: 106:38843
 REFERENCE 7: 102:104634
 REFERENCE 8: 102:104633
 REFERENCE 9: 100:212123
 REFERENCE 10: 86:44400

L22 ANSWER 15 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN **29873-33-4** REGISTRY
 CN 1-Propanamine, 3-(dodecylthio)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propylamine, 3-(dodecylthio)- (8CI)
 FS 3D CONCORD
 MF C15 H33 N S
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, CHEMLIST, IFICDB, IFIPAT,
 IFIUDB, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Me-(CH₂)₁₁-S-(CH₂)₃-NH₂

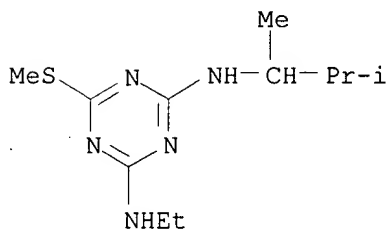
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1962 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:124156
 REFERENCE 2: 107:181207
 REFERENCE 3: 85:110387
 REFERENCE 4: 73:136790

L22 ANSWER 20 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN **22936-75-0** REGISTRY
 CN 1,3,5-Triazine-2,4-diamine, N-(1,2-dimethylpropyl)-N'-ethyl-6-(methylthio)-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN s-Triazine, 2-[(1,2-dimethylpropyl)amino]-4-(ethylamino)-6-(methylthio)-
 (8CI)
 OTHER NAMES:
 CN 2-(1',2'-Dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine
 CN 2-(1,2-Dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine
 CN 2-Ethylamino-4-(1,2-dimethylpropylamino)-6-methylthio-s-triazine
 CN 2-[(1,2-Dimethylpropyl)amino]-4-(ethylamino)-6-(methylthio)-s-triazine

CN 4-(1,2-Dimethylpropylamino)-2-ethylamino-6-methylthiotriazine
 CN Belclene 310
 CN C 18898
 CN CG 7103
 CN Dimethameterin
 CN Dimethametryn
 FS 3D CONCORD
 DR 60617-10-9
 MF C11 H21 N5 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 CA, CABA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT,
 IFIUIDB, MEDLINE, MSDS-OHS, RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

168 REFERENCES IN FILE CA (1962 TO DATE)
 25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 168 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:102378
 REFERENCE 2: 138:84934
 REFERENCE 3: 138:68331
 REFERENCE 4: 138:34679
 REFERENCE 5: 137:368772
 REFERENCE 6: 137:321558
 REFERENCE 7: 137:310213
 REFERENCE 8: 137:290320
 REFERENCE 9: 137:274424
 REFERENCE 10: 137:252229

L22 ANSWER 25 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN 14676-61-0 REGISTRY
 CN 1-Propanamine, 3-(tridecyloxy)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propylamine, 3-(tridecyloxy)- (7CI, 8CI)
 OTHER NAMES:

CN 3-(Tridecyloxy)propylamine
 CN Adogen 183
 CN Armeen EA 13
 FS 3D CONCORD
 MF C16 H35 N O
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST, IFICDB, IFIPAT,
 IFIUDB, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Me-(CH₂)₁₂-O-(CH₂)₃-NH₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29 REFERENCES IN FILE CA (1962 TO DATE)
 14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 29 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:296570

REFERENCE 2: 135:124156

REFERENCE 3: 134:163446

REFERENCE 4: 134:73894

REFERENCE 5: 132:51484

REFERENCE 6: 130:53652

REFERENCE 7: 122:269865

REFERENCE 8: 120:324979

REFERENCE 9: 117:52192

REFERENCE 10: 115:213726

L22 ANSWER 30 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **10543-57-4** REGISTRY

CN Acetamide, N,N'-1,2-ethanediylbis[N-acetyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Diacetamide, N,N'-ethylenebis- (7CI, 8CI)

OTHER NAMES:

CN Mykon ATC

CN N,N'-Ethylenebis[diacetamide]

CN N,N,N',N'-Tetraacetylenediamine

CN Nikon A

CN T 0946

CN TAED

CN TAED 4303

CN Tetraacetylenediamine

FS 3D CONCORD

MF C10 H16 N2 O4

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
 CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSChem, IFICDB, IFIPAT, IFIUDB,

MRCK*, MSDS-OHS, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Ac₂N-CH₂-CH₂-NAC₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

568 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 568 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:136224
 REFERENCE 2: 138:130324
 REFERENCE 3: 138:108725
 REFERENCE 4: 138:108480
 REFERENCE 5: 138:106407
 REFERENCE 6: 138:95693
 REFERENCE 7: 138:74648
 REFERENCE 8: 138:74646
 REFERENCE 9: 138:61421
 REFERENCE 10: 138:57863

L22 ANSWER 35 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **5915-41-3** REGISTRY

CN 1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl- (9CI)
 (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN s-Triazine, 2-(tert-butylamino)-4-chloro-6-(ethylamino)- (7CI, 8CI)

OTHER NAMES:

CN 2-Chloro-4-(ethylamino)-6-(tert-butylamino)-s-triazine

CN 2-Chloro-4-ethylamino-6-tert-butylamino-1,3,5-triazine

CN 2-Chloro-4-tert-butylamino-6-ethylamino-s-triazine

CN 2-tert-Butylamino-4-chloro-6-ethylamino-s-triazine

CN 4-Ethylamino-6-tert-butylamino-2-chloro-S-triazine

CN ChlorCaragard

CN G 13529

CN Gardeprim A 1862

CN Gardoprim

CN GS 13529

CN Primatol M

CN Terbutazine

CN Terbutylazine

CN Terbutylazine

CN Terbutylethylazine

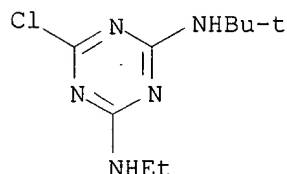
CN tert-Butylazine

FS 3D CONCORD

DR 63026-57-3

MF C9 H16 Cl N5

CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN,
 CSCHEM, CSNB, DETHERM*, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUIDB, MEDLINE,
 MSDS-OHS, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1205 REFERENCES IN FILE CA (1962 TO DATE)
 48 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1208 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:142036
 REFERENCE 2: 138:142034
 REFERENCE 3: 138:141999
 REFERENCE 4: 138:141942
 REFERENCE 5: 138:117002
 REFERENCE 6: 138:102378
 REFERENCE 7: 138:84870
 REFERENCE 8: 138:68331
 REFERENCE 9: 138:49138
 REFERENCE 10: 138:34679

L22 ANSWER 40 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **4182-44-9** REGISTRY

CN 1,2-Ethanediamine, N-(2-aminoethyl)-N-dodecyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Diethylenetriamine, 4-dodecyl- (7CI, 8CI)

OTHER NAMES:

CN 4-Dodecyldiethylenetriamine

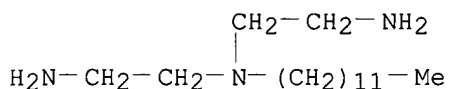
CN N-(2-Aminoethyl)-N-dodecyl-1,2-ethanediamine

FS 3D CONCORD

MF C16 H37 N3

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUIDB, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

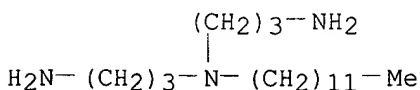


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

36 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 36 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:82510
 REFERENCE 2: 136:1862
 REFERENCE 3: 135:124156
 REFERENCE 4: 132:347204
 REFERENCE 5: 131:58945
 REFERENCE 6: 128:316519
 REFERENCE 7: 124:343573
 REFERENCE 8: 124:264047
 REFERENCE 9: 121:123870
 REFERENCE 10: 118:66031

L22 ANSWER 45 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN **2372-82-9** REGISTRY
 CN 1,3-Propanediamine, N-(3-aminopropyl)-N-dodecyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Dodecylamine, N,N-bis(3-aminopropyl)- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN Lonzabac 12
 CN Lonzabac 1230
 CN N,N-Bis(3-aminopropyl)laurylamine
 CN RC 5637
 FS 3D CONCORD
 MF C18 H41 N3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST, IFICDB, IFIPAT,
 IFIUDB, MEDLINE, TOXCENTER, ULIDAT, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

65 REFERENCES IN FILE CA (1962 TO DATE)
 15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 65 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:95198
 REFERENCE 2: 137:296427
 REFERENCE 3: 137:174922
 REFERENCE 4: 136:274792
 REFERENCE 5: 136:274791
 REFERENCE 6: 136:274790
 REFERENCE 7: 136:205538
 REFERENCE 8: 136:56221
 REFERENCE 9: 135:199640
 REFERENCE 10: 135:124157

L22 ANSWER 50 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 929-06-6 REGISTRY

CN Ethanol, 2-(2-aminoethoxy)- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

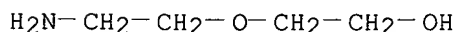
CN .beta.-(.beta.-Hydroxyethoxy)ethylamine
 CN .beta.-Hydroxy-.beta.'-aminodiethyl ether
 CN 1-Amino-2-(2-hydroxyethoxy)ethane
 CN 2-(2-Aminoethoxy)ethanol
 CN 2-(2-Hydroxyethoxy)ethylamine
 CN 2-(Hydroxyethoxy)ethylamine
 CN 2-Amino-2'-hydroxydiethyl ether
 CN 2-Aminoethyl 2-hydroxyethyl ether
 CN 5-Amino-3-oxapentanol
 CN 5-Hydroxy-3-oxapentylamine
 CN Diethylene glycol amine
 CN Diethylene glycol monoamine
 CN Diglycolamine
 FS 3D CONCORD
 MF C4 H11 N O2
 CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DETHERM*, DIPPR*, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

974 REFERENCES IN FILE CA (1962 TO DATE)
 107 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

975 REFERENCES IN FILE CAPLUS (1962 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:145066

REFERENCE 2: 138:129014

REFERENCE 3: 138:122793

REFERENCE 4: 138:116475

REFERENCE 5: 138:115066

REFERENCE 6: 138:106689

REFERENCE 7: 138:106504

REFERENCE 8: 138:99609

REFERENCE 9: 138:95248

REFERENCE 10: 138:91869

L22 ANSWER 55 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 150-68-5 REGISTRY

CN Urea, N'-(4-chlorophenyl)-N,N-dimethyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urea, 3-(p-chlorophenyl)-1,1-dimethyl- (8CI)

OTHER NAMES:

CN 1,1-Dimethyl-3-(4-chlorophenyl)urea

CN 1,1-Dimethyl-3-(p-chlorophenyl)urea

CN 1-(4-Chlorophenyl)-3,3-dimethylurea

CN 1-(p-Chlorophenyl)-3,3-dimethylurea

CN 3-(4-Chlorophenyl)-1,1-dimethylurea

CN 3-(p-Chlorophenyl)-1,1-dimethylurea

CN CMU

CN Karmex Monuron Herbicide

CN Karmex W. monuron herbicide

CN Monuron

CN N'-(4-Chlorophenyl)-N,N-dimethylurea

CN N,N-Dimethyl-N'-(4-chlorophenyl)urea

CN N-(4-Chlorophenyl)-N',N'-dimethylurea

CN N-(p-Chlorophenyl)-N',N'-dimethylurea

CN Telvar

CN Telvar Monuron Weedkiller

CN Telvar W. monuron weedkiller

FS 3D CONCORD

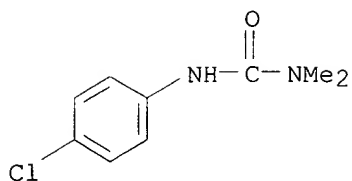
MF C9 H11 Cl N2 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1628 REFERENCES IN FILE CA (1962 TO DATE)
 11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1631 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 42 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:65744
 REFERENCE 2: 138:23846
 REFERENCE 3: 138:10984
 REFERENCE 4: 137:334234
 REFERENCE 5: 137:268019
 REFERENCE 6: 137:257011
 REFERENCE 7: 137:237296
 REFERENCE 8: 137:181089
 REFERENCE 9: 137:140343
 REFERENCE 10: 137:121022

L22 ANSWER 60 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **121-44-8** REGISTRY

CN Ethanamine, N,N-diethyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Triethylamine (7CI, 8CI)

OTHER NAMES:

CN (Diethylamino)ethane

CN N,N-Diethylethanamine

CN TEA

FS 3D CONCORD

DR 449752-61-8, 168277-99-4, 172227-74-6, 144514-14-7

MF C6 H15 N

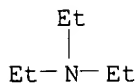
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

18159 REFERENCES IN FILE CA (1962 TO DATE)
 715 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 18193 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:146918
 REFERENCE 2: 138:145474
 REFERENCE 3: 138:139170
 REFERENCE 4: 138:139161
 REFERENCE 5: 138:139114
 REFERENCE 6: 138:137735
 REFERENCE 7: 138:137711
 REFERENCE 8: 138:137425
 REFERENCE 9: 138:137319
 REFERENCE 10: 138:137316

L22 ANSWER 65 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 111-92-2 REGISTRY

CN 1-Butanamine, N-butyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Dibutylamine (8CI)

OTHER NAMES:

CN Di-n-butylamine

CN N,N-Di-n-butylamine

CN N-Butyl-1-butanamine

FS 3D CONCORD

MF C8 H19 N

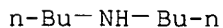
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4424 REFERENCES IN FILE CA (1962 TO DATE)
 431 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4428 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:146918
 REFERENCE 2: 138:146625
 REFERENCE 3: 138:145063
 REFERENCE 4: 138:139873
 REFERENCE 5: 138:136970
 REFERENCE 6: 138:123273
 REFERENCE 7: 138:122270
 REFERENCE 8: 138:116818
 REFERENCE 9: 138:116808
 REFERENCE 10: 138:107892

L22 ANSWER 70 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 109-76-2 REGISTRY

CN 1,3-Propanediamine (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN .alpha.,.omega.-Propanediamine

CN 1,3-Diamino-n-propane

CN 1,3-Diaminopropane

CN 1,3-Propylenediamine

CN 1,3-Trimethylenediamine

CN 3-Aminopropylamine

CN DAP

CN TMEDA

CN Trimethylenediamine

FS 3D CONCORD

DR 54018-94-9

MF C3 H10 N2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

H₂N-CH₂-CH₂-CH₂-NH₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4596 REFERENCES IN FILE CA (1962 TO DATE)

576 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

4602 REFERENCES IN FILE CAPLUS (1962 TO DATE)

9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:146895
 REFERENCE 2: 138:137491
 REFERENCE 3: 138:126891
 REFERENCE 4: 138:126312
 REFERENCE 5: 138:122831
 REFERENCE 6: 138:118827
 REFERENCE 7: 138:116843
 REFERENCE 8: 138:116782
 REFERENCE 9: 138:112274
 REFERENCE 10: 138:106654

L22 ANSWER 75 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 107-43-7 REGISTRY

CN Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium compounds, substituted, (carboxymethyl)trimethyl-, hydroxide, inner salt (7CI)

CN Betaine (8CI)

CN Methanaminium, 1-carboxy-N,N,N-trimethyl-, hydroxide, inner salt

OTHER NAMES:

CN (Carboxymethyl)trimethylammonium hydroxide inner salt

CN (Trimethylammonio)acetate

CN .alpha.-Earleine

CN Abromine

CN Aminocoat

CN Aquadew AN 100

CN Betafin

CN Betafin BCR

CN Betafin BP

CN Cystadane

CN FinnStim

CN Glycine betaine

CN Glycine, trimethylbetaine

CN Glycocol betaine

CN Glycylbetaine

CN Greenstim

CN Loramine AMB 13

CN Lysine

CN N,N,N-Trimethylglycine

CN Oxyneurine

CN Rubrine C

CN Trimethylglycine

CN Trimethylglycocol

FS 3D CONCORD

DR 11042-12-9, 590-30-7, 24980-93-6, 45631-77-4

MF C5 H11 N O2

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PHAR, PIRA, PROMT,

RTECS*, SPECINFO, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Me₃⁺N-CH₂-CO₂⁻

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3891 REFERENCES IN FILE CA (1962 TO DATE)
 558 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3895 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:143132
 REFERENCE 2: 138:142225
 REFERENCE 3: 138:139225
 REFERENCE 4: 138:139224
 REFERENCE 5: 138:139195
 REFERENCE 6: 138:136575
 REFERENCE 7: 138:136472
 REFERENCE 8: 138:136382
 REFERENCE 9: 138:134327
 REFERENCE 10: 138:133792

L22 ANSWER 80 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN **100-37-8** REGISTRY

CN Ethanol, 2-(diethylamino)- (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN (2-Hydroxyethyl)diethylamine
 CN (Diethylamino)ethanol
 CN .beta.-(Diethylamino)ethanol
 CN 2-(Diethylamino)ethanol
 CN 2-(Diethylamino)ethyl alcohol
 CN 2-(N,N-Diethylamino)ethanol
 CN 2-Hydroxytriethylamine
 CN DEAE
 CN DEEA
 CN Diethyl(.beta.-hydroxyethyl)amine
 CN Diethylethanolamine
 CN Diethylmonoethanolamine
 CN MKS
 CN N,N-Diethyl(2-hydroxyethyl)amine
 CN N,N-Diethyl-2-aminoethanol
 CN N,N-Diethylethanolamine
 CN N,N-Diethylmonoethanolamine
 CN N-(2-Hydroxyethyl)diethylamine
 CN Pennad 150
 FS 3D CONCORD
 DR 102802-00-6
 MF C6 H15 N O

CI COM
 LC STN Files: ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU,
 EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE,
 TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Et₂N-CH₂-CH₂-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2244 REFERENCES IN FILE CA (1962 TO DATE)
 217 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2245 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 30 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:124768
 REFERENCE 2: 138:124637
 REFERENCE 3: 138:124033
 REFERENCE 4: 138:107904
 REFERENCE 5: 138:106327
 REFERENCE 6: 138:61316
 REFERENCE 7: 138:61025
 REFERENCE 8: 138:40529
 REFERENCE 9: 138:34669
 REFERENCE 10: 138:23695

L22 ANSWER 85 OF 87 REGISTRY COPYRIGHT 2003 ACS

RN 74-55-5 REGISTRY

CN 1-Butanol, 2,2'-(1,2-ethanediylldiimino)bis-, (2S,2'S)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Butanol, 2,2'-(1,2-ethanediylldiimino)bis-, [S-(R*,R*)]-

CN 1-Butanol, 2,2'-(ethylenediimino)di-, (+)-(8CI)

OTHER NAMES:

CN (+)-Ethambutol

CN (+)-N,N'-Bis[1-(hydroxymethyl)propyl]ethylenediamine

CN (+)-S,S-Ethambutol

CN (2S,7S)-2,7-Diethyl-3,6-diazaoctane-1,8-diol

CN d-2,2'-(Ethylenediimino)bis(1-butanol)

CN d-2,2'-(Ethylenediimino)di-1-butanol

CN d-Ethambutol

CN d-N,N'-Bis(1-hydroxymethylpropyl)ethylenediamine

CN Diambutol

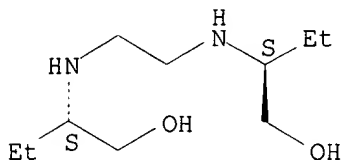
CN EMB

CN Etambutol

CN Ethambutol

FS STEREOSEARCH
 MF C10 H24 N2 O2
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMLIST, CIN, CSChem, DDFU, DIOGENES, DRUGU, EMBASE, GMELIN*,
 HSDB*, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, MRCK*, NIOSHTIC, PROMT,
 RTECS*, SPECINFO, TOXCENTER, USAN, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1029 REFERENCES IN FILE CA (1962 TO DATE)
 17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1030 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 23 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:133387
 REFERENCE 2: 138:131149
 REFERENCE 3: 138:131072
 REFERENCE 4: 138:130524
 REFERENCE 5: 138:119518
 REFERENCE 6: 138:119422
 REFERENCE 7: 138:112558
 REFERENCE 8: 138:69765
 REFERENCE 9: 138:49458
 REFERENCE 10: 138:19507

L22 ANSWER 87 OF 87 REGISTRY COPYRIGHT 2003 ACS
 RN 55-86-7 REGISTRY
 CN Ethanamine, 2-chloro-N-(2-chloroethyl)-N-methyl-, hydrochloride (9CI) (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Diethylamine, 2,2'-dichloro-N-methyl-, hydrochloride (8CI)
 OTHER NAMES:
 CN 1,5-Dichloro-3-methyl-3-azapentane hydrochloride
 CN 2,2'-Dichloro-N-methyldiethylamine hydrochloride
 CN Antimit
 CN Azotoyperite
 CN Bis(2-chloroethyl)-N-methylamine hydrochloride
 CN Bis(2-chloroethyl)methylamine hydrochloride

CN C 6866
 CN Caryolysine
 CN Caryolysine hydrochloride
 CN Chloramin
 CN Chloramin hydrochloride
 CN Chloramine
 CN Chlorethamine
 CN Chlormethine hydrochloride
 CN Chlormethinum
 CN Dema
 CN Dichloren
 CN Dichloren hydrochloride
 CN Dichloromethyldiethylamine hydrochloride
 CN Dimitan
 CN Embechine
 CN Embichin
 CN Embichin hydrochloride
 CN Embikhine
 CN Embiquine
 CN Erasol
 CN Erasol hydrochloride
 CN Erasol-Ido
 CN HN2 hydrochloride
 CN Kloramin
 CN MBA hydrochloride
 CN Mechlorethamine hydrochloride
 CN Methylbis(.beta.-chloroethyl)amine hydrochloride
 CN Methylbis(2-chloroethyl)amine hydrochloride
 CN Mitoxine
 CN Mustargen hydrochloride
 CN Mustine hydrochloride
 CN N,N-Bis(2-chloroethyl)methanamine hydrochloride
 CN N-Lost
 CN N-Methylbis(2-chloroethyl)amine hydrochloride
 CN NCI C56382
 CN Nitol
 CN Nitol takeda
 CN Nitrogen mustard
 CN Nitrogen mustard hydrochloride
 CN Nitrogranulogen
 CN Nitrogranulogen hydrochloride
 CN NM
 CN NSC 762

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY

DR 37244-63-6, 159923-90-7

MF C5 H11 Cl2 N . Cl H

CI COM

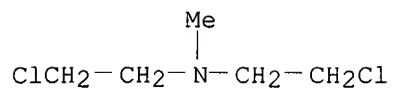
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST,
 CIN, CSCHM, CSNB, DIOGENES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
 MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2,
 USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (51-75-2)



● HCl

1159 REFERENCES IN FILE CA (1962 TO DATE)
55 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1160 REFERENCES IN FILE CAPLUS (1962 TO DATE)
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:144066
REFERENCE 2: 138:144065
REFERENCE 3: 138:69030
REFERENCE 4: 138:21357
REFERENCE 5: 138:19484
REFERENCE 6: 138:11201
REFERENCE 7: 137:358150
REFERENCE 8: 137:345716
REFERENCE 9: 137:288990
REFERENCE 10: 137:288320

=> fil hcaplus
 FILE 'HCAPLUS' ENTERED AT 14:06:20 ON 04 MAR 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Mar 2003 VOL 138 ISS 10
 FILE LAST UPDATED: 3 Mar 2003 (20030303/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
 =>

```
=> d stat que l24 nos
L1          STR
L2          8368 SEA FILE=REGISTRY SSS FUL L1
L7          286109 SEA FILE=REGISTRY ABB=ON PLU=ON ALKYLAMINE? OR ETHERAMINE?
              OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFAC
              OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
              BUTYLAMINE
L8          797 SEA FILE=REGISTRY ABB=ON PLU=ON METHYLETHERAMINE OR ETHYLETHE
              RMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR BETAIN?
L9          179899 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR ALKYLAMINE? OR ETHERAMIN
              E? OR QUATERNARY(L)AMMONIUM OR (PYRIDIN? OR IMIDAZOL?)(L)SURFAC
              T? OR DIAMINE? OR METHYLAMINE OR ETHYLAMINE OR PROPYLAMINE OR
              BUTYLAMINE
L10         798259 SEA FILE=HCAPLUS ABB=ON PLU=ON L7 OR METHYLETHERAMINE OR
              ETHYLETHERMAINE OR PROPYLETHERAMINE OR BUTYLETHERAMINE OR
              BETAIN? OR ?ETHERAMINE
L11         5722 SEA FILE=HCAPLUS ABB=ON PLU=ON L2
L12         1637 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 AND (L9 OR L10)
L13         639 SEA FILE=REGISTRY ABB=ON PLU=ON GLYPHOS?
L14         5603 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR ?GLYPHOS?
L15         5 SEA FILE=HCAPLUS ABB=ON PLU=ON L12 AND L14
L17         3497 SEA FILE=REGISTRY ABB=ON PLU=ON HERBIC?
L18         105727 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 OR ?HERBIC?
L19         13 SEA FILE=HCAPLUS ABB=ON PLU=ON (L18 AND L12) NOT L15
L23         4 SEA FILE=HCAPLUS ABB=ON PLU=ON L11(L)?HERBICI?
L24         2 SEA FILE=HCAPLUS ABB=ON PLU=ON L23 NOT (L15 OR L19)
```

=> d ibib abs hitrn l24 1-2

L24 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:713071 HCAPLUS
 DOCUMENT NUMBER: 135:253261
 TITLE: Preparation of 2-phenylenediamine derivatives as
 herbicides

INVENTOR(S): Jomaa, Hassan; Schlitzer, Martin
 PATENT ASSIGNEE(S): Jomaa Pharmaka G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070026	A2	20010927	WO 2001-EP2418	20010303
WO 2001070026	A3	20020613		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

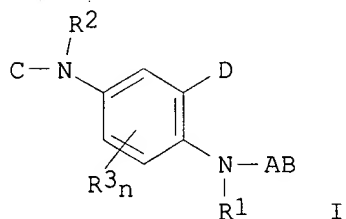
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

DE 10014141 A1 20011011 DE 2000-10014141 20000322

PRIORITY APPLN. INFO.: DE 2000-10014141 A 20000322

OTHER SOURCE(S): MARPAT 135:253261

GI



AB The 2-phenylenediamine derivs. I (n = 0-3; R1, R2 = H, alkyl, aryl, heteroaryl, acyl; R3 = H, alkyl, aryl, heteroaryl, arylalkyl, acyl, CN, NO2, R4X; R4 = H, alkyl, aryl, heteroaryl, aralkyl, acyl; X = NH, O, S, SO2, NHSO2, OSO2; A, B, C = org. groups) are prepd. as herbicides. I are usable for selective pre-emergent or postemergent control of weeds.

IT **83871-10-7 357436-84-1**

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant in prepn. of 2-phenylenediamine deriv. **herbicide**)

IT **52558-68-6P**, N-Hexadecanoyl-.beta.-alanine

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (reactant in prepn. of 2-phenylenediamine deriv. **herbicide**)

L24 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1976:70345 HCAPLUS

DOCUMENT NUMBER: 84:70345

TITLE: N-Acyl amino acids and their salts as herbicides

INVENTOR(S): Kida, Takao; Mizuno, Hiroshi; Okutsu, Masaru

PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50135229	A2	19751027	JP 1974-43740	19740418
JP 53035130	B4	19780926		

PRIORITY APPLN. INFO.: JP 1974-43740 19740418

AB Long-chain N-acyl amino acids and their salts are **herbicides** for rice. These compds. are effective against weeds such as Echinochloa oryzicola and Monochoria vaginalis but had no toxic effect on rice or on animals. Thus, N-lauryl-L-phenylalanine K salt [57993-23-4], applied to the soil at 100 g/are, completely inhibited the germination of E. oryzicola, M. vaginalis, Cyperus diformia, and broadleaf weeds.

IT 14379-40-9 14379-49-8 14379-54-5
21394-85-4 35054-70-7 41489-14-9
56255-31-3 57993-23-4 57993-24-5
57993-25-6

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicide)

=> select hit rn 124 1-2
E106 THROUGH E118 ASSIGNED

=> fil reg
FILE 'REGISTRY' ENTERED AT 14:06:41 ON 04 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0
DICTIONARY FILE UPDATES: 3 MAR 2003 HIGHEST RN 496834-05-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
=>

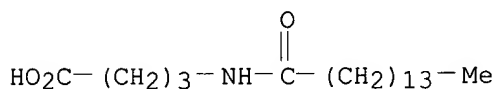
=> s e106-118

- 1 14379-40-9/BI
(14379-40-9/RN)
- 1 14379-49-8/BI
(14379-49-8/RN)
- 1 14379-54-5/BI
(14379-54-5/RN)
- 1 21394-85-4/BI
(21394-85-4/RN)
- 1 35054-70-7/BI

(35054-70-7/RN)
 1 357436-84-1/BI
 (357436-84-1/RN)
 1 41489-14-9/BI
 (41489-14-9/RN)
 1 52558-68-6/BI
 (52558-68-6/RN)
 1 56255-31-3/BI
 (56255-31-3/RN)
 1 57993-23-4/BI
 (57993-23-4/RN)
 1 57993-24-5/BI
 (57993-24-5/RN)
 1 57993-25-6/BI
 (57993-25-6/RN)
 1 83871-10-7/BI
 (83871-10-7/RN)
 L25 13 (14379-40-9/BI OR 14379-49-8/BI OR 14379-54-5/BI OR 21394-85-4/B
 I OR 35054-70-7/BI OR 357436-84-1/BI OR 41489-14-9/BI OR 52558-6
 8-6/BI OR 56255-31-3/BI OR 57993-23-4/BI OR 57993-24-5/BI OR
 57993-25-6/BI OR 83871-10-7/BI)

=> d ide can l25 1-13

L25 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN **357436-84-1** REGISTRY
 CN Butanoic acid, 4-[(1-oxopentadecyl)amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H37 N O3
 SR CA
 LC STN Files: CA, CAPLUS



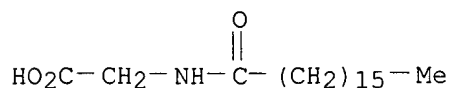
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:253261

REFERENCE 2: 135:210837

L25 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN **83871-10-7** REGISTRY
 CN Glycine, N-(1-oxoheptadecyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H37 N O3
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1962 TO DATE)
4 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:253261

REFERENCE 2: 135:210837

REFERENCE 3: 123:192962

REFERENCE 4: 98:4781

L25 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN 57993-25-6 REGISTRY

CN L-Tyrosine, N-(1-oxooctadecyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN L-Tyrosine, N-stearoyl- (6CI)

OTHER NAMES:

CN L-N-Octadecanoyltyrosine

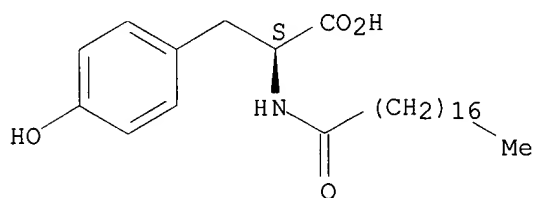
CN N-Stearoyl-L-tyrosine

FS STEREOSEARCH

MF C27 H45 N O4

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, MEDLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10 REFERENCES IN FILE CA (1962 TO DATE)
10 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:50905

REFERENCE 2: 126:51352

REFERENCE 3: 125:41442

REFERENCE 4: 124:299557

REFERENCE 5: 120:273543

REFERENCE 6: 120:227839

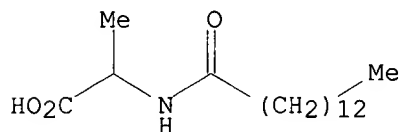
REFERENCE 7: 112:205295

REFERENCE 8: 110:160233

REFERENCE 9: 102:125216

REFERENCE 10: 84:70345

L25 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN 57993-24-5 REGISTRY
 CN Alanine, N-(1-oxotetradecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN DL-Alanine, N-(1-oxotetradecyl)-
 OTHER NAMES:
 CN DL-Myristoylalanine
 CN N-Myristoyl-DL-alanine
 CN N-Myristyl-DL-alanine
 MF C17 H33 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, TOXCENTER
 (*File contains numerically searchable property data)



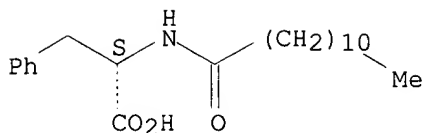
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1962 TO DATE)
 9 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:297270,
 REFERENCE 2: 123:116343
 REFERENCE 3: 115:47791
 REFERENCE 4: 108:200506
 REFERENCE 5: 108:167909
 REFERENCE 6: 105:117013
 REFERENCE 7: 103:88184
 REFERENCE 8: 98:4781
 REFERENCE 9: 84:70345

L25 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN 57993-23-4 REGISTRY
 CN L-Phenylalanine, N-(1-oxododecyl)-, monopotassium salt (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN N-Lauryl-L-phenylalanine potassium salt
 FS STEREOSEARCH
 MF C21 H33 N O3 . K
 LC STN Files: CA, CAPLUS, TOXCENTER
 CRN (14379-64-7)

Absolute stereochemistry.



● K

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 84:70345

L25 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN **56255-31-3** REGISTRY

CN L-Alanine, N-(1-oxohexadecyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-Hexadecanoyl-L-alanine

CN N-Palmitoyl-L-alanine

CN N-Palmityl-L-alanine

CN Palmitoyl-L-alanine

CN Palmityl-L-alanine

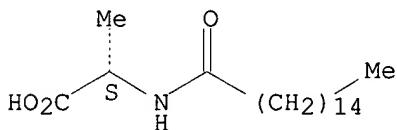
FS STEREOSEARCH

MF C19 H37 N O3

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1962 TO DATE)
16 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:38165

REFERENCE 2: 136:349915

REFERENCE 3: 130:228059

REFERENCE 4: 130:25342

REFERENCE 5: 129:230964

REFERENCE 6: 125:222448

REFERENCE 7: 124:299557

REFERENCE 8: 121:238969

REFERENCE 9: 116:46046

REFERENCE 10: 115:47791

L25 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN **52558-68-6** REGISTRY

CN .beta.-Alanine, N-(1-oxohexadecyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-Hexadecanoyl-.beta.-alanine

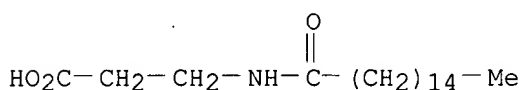
CN N-Palmitoyl-.beta.-alanine

FS 3D CONCORD

MF C19 H37 N O3

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1962 TO DATE)

16 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:100943

REFERENCE 2: 136:395315

REFERENCE 3: 135:253261

REFERENCE 4: 135:210837

REFERENCE 5: 133:366311

REFERENCE 6: 133:329119

REFERENCE 7: 132:308659

REFERENCE 8: 131:228999

REFERENCE 9: 125:143306

REFERENCE 10: 100:55086

L25 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN **41489-14-9** REGISTRY

CN Glycine, N-(1-oxooctadecyl)-, monosodium salt (9CI) (CA INDEX NAME)

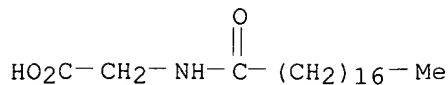
OTHER NAMES:

CN N-Stearoylglycine sodium salt

CN N-Stearylglucine sodium salt

MF C20 H39 N O3 . Na

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
CRN (6333-54-6)



● Na

11 REFERENCES IN FILE CA (1962 TO DATE)
11 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 132:4265
REFERENCE 2: 131:352892
REFERENCE 3: 128:66790
REFERENCE 4: 123:86612
REFERENCE 5: 121:136483
REFERENCE 6: 121:37943
REFERENCE 7: 111:202447
REFERENCE 8: 90:64371
REFERENCE 9: 84:130817
REFERENCE 10: 84:70345

L25 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN 35054-70-7 REGISTRY

CN Valine, N-(1-oxododecyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN DL-Valine, N-(1-oxododecyl)-

OTHER NAMES:

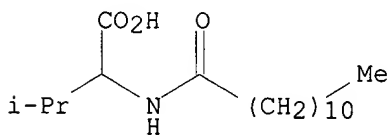
CN N-Dodecanoyl-DL-valine

CN N-Lauroyl-DL-valine

MF C17 H33 N O3

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER
(*File contains numerically searchable property data)



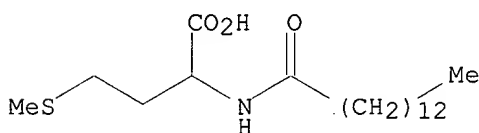
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1962 TO DATE)
13 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:29409
REFERENCE 2: 122:323193

REFERENCE 3: 120:107647
 REFERENCE 4: 115:47791
 REFERENCE 5: 103:88184
 REFERENCE 6: 98:4781
 REFERENCE 7: 97:69407
 REFERENCE 8: 97:19579
 REFERENCE 9: 85:154983
 REFERENCE 10: 85:124364

L25 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN **21394-85-4** REGISTRY
 CN Methionine, N-(1-oxotetradecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN DL-Methionine, N-(1-oxotetradecyl)-
 CN Methionine, N-myristoyl-, DL- (8CI)
 OTHER NAMES:
 CN N-Myristyl-DL-methionine
 MF C19 H37 N O3 S
 LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

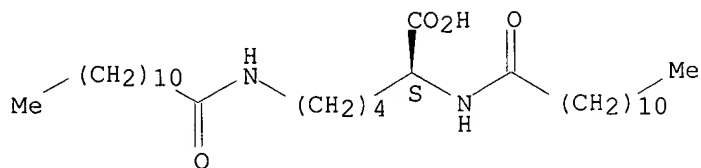
2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 84:70345
 REFERENCE 2: 70:38057

L25 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN **14379-54-5** REGISTRY
 CN L-Lysine, N2,N6-bis(1-oxododecyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Lysine, N2,N6-dilauroyl-, L- (6CI, 8CI)
 OTHER NAMES:
 CN Dilauroyl-L-lysine
 CN N.alpha.,N.epsilon.-Didodecanoyl-L-lysine
 CN N2,N6-Dilauryl-L-lysine
 FS STEREOSEARCH
 DR 137392-28-0
 MF C30 H58 N2 O4
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

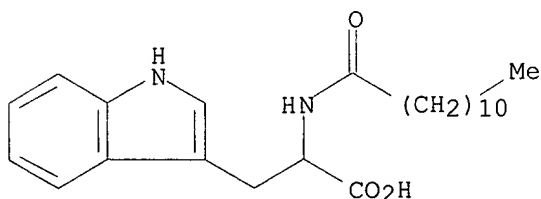


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1962 TO DATE)
16 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 129:163791
REFERENCE 2: 127:327528
REFERENCE 3: 121:233498
REFERENCE 4: 115:233767
REFERENCE 5: 108:33666
REFERENCE 6: 107:146519
REFERENCE 7: 105:153544
REFERENCE 8: 104:155984
REFERENCE 9: 103:42408
REFERENCE 10: 98:4781

L25 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN **14379-49-8** REGISTRY
CN Tryptophan, N-(1-oxododecyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN DL-Tryptophan, N-(1-oxododecyl)-
CN Tryptophan, N-lauroyl-, DL- (6CI, 8CI)
OTHER NAMES:
CN N-Dodecanoyl-DL-tryptophan
CN N-Lauryl-DL-tryptophan
MF C23 H34 N2 O3
LC STN Files: CA, CAOLD, CAPLUS, CHEMCATS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1962 TO DATE)
6 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 123:29409
REFERENCE 2: 122:323193
REFERENCE 3: 120:107647
REFERENCE 4: 115:47791
REFERENCE 5: 84:70345
REFERENCE 6: 66:29058

L25 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2003 ACS

RN **14379-40-9** REGISTRY

CN L-Leucine, N-(1-oxododecyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Leucine, N-lauroyl-, L- (6CI, 8CI)

OTHER NAMES:

CN N-Dodecanoyl-L-leucine

CN N-Dodecanoylleucine

CN N-Lauroyl-L-leucine

CN N-Lauroylleucine

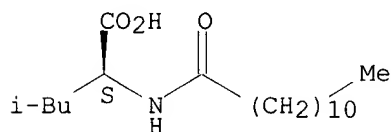
FS STEREOSEARCH

MF C18 H35 N O3

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, IFICDB,
IFIPAT, IFIUDB, IPA, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

45 REFERENCES IN FILE CA (1962 TO DATE)
45 REFERENCES IN FILE CAPLUS (1962 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:108331
REFERENCE 2: 135:77058
REFERENCE 3: 133:192610
REFERENCE 4: 131:92352
REFERENCE 5: 129:163791
REFERENCE 6: 127:116509
REFERENCE 7: 126:146034

Pryor 09_652771

REFERENCE 8: 124:72507

REFERENCE 9: 123:127744

REFERENCE 10: 123:29409

=>